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FEATURES

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 +ci dj hdŷŷl e j# jŷŷj J\_c  
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 7I ŷŷŷb\_d VM jŷŷb bŷŷaFWaW

7kjec ej\_l de jWdc dj  
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DESCRIPTION

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 WdZ bd h kbŷŷed J ekjfkj l eŷW ŷŷ X  
 h kbŷŷ Z je W læm W &, L

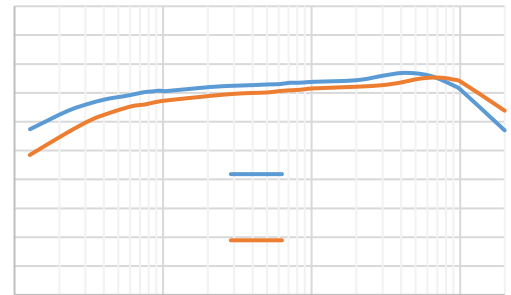
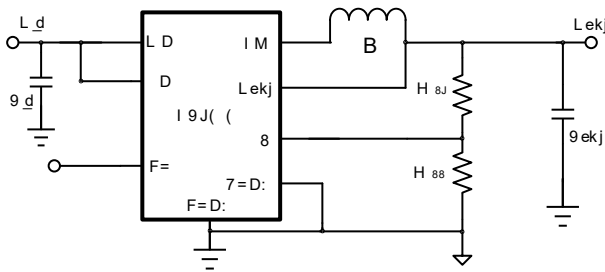
9edi jŷŷj#ed#c 9EJ Yedjreb fhel Z i ŷj  
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 j hc ŷŷi kjZemd

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 c WdjWdi \_ Y\_dYo Zkhd b\_j ŷŷŷZ ef Hŷŷed  
 j\_dYŷkZ i kbŷ frěj Yjed ŷkhi ikY W el h  
 Ykth dj frěj Yjed ekjfkj kdZ h# eŷW frěj Yjed  
 dfkjkdZ h# eŷW læYaekj WdZ j hc ŷŷi kjZemd

J l 9J( ( h gk hi Wc\_d c Wdkc X he nj hdŷŷ  
 Yec fed dji WdZ ŷŷ Wŷŷŷŷŷ\_b\_d Wifŷŷ # W\_d  
 9JG D +N(# BŷŷZ 9I EJ()# BfŷŷaW

APPLICATIONS

TYPICAL APPLICATION



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REVISION HISTORY

## PIN FUNCTIONS

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F=D:	+	*	F e m h = h e k d Z f_d
I M	,	)	I m j Y e k j f k j I M i Z h l d k f j e L D j h e k j f e m h C E I J Z k h d e d # c J d Z k Y e h Y k h d j Z h l i I M j e d W l l e j W j h e k h e m # Z f e m h C E I J Z k h d e # j c
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F=	.		F e m h # e e Z d Z W e h J e k j f k j e F = i W d e f d Z h W d j V Y Y e d d Y j i j e L D I V W d d j h d V f k h k f h i i j e h F = e i _ _ j e k j f k j l e j W i m j_d & e j d e c d V W l e j W

RECOMMENDED OPERATING CONDITIONS

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8C WdZ 9: Cijhii\_d Wb Zed\_d WYehZWY mj\_j 7DI %l: 7% : 9 I #&& # & \*if Y YWYed

THERMAL INFORMATION

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8	kdY_ed#e#eVWZ Y WWYj hpVYed f VVWc j h	) /	
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H_8	kdY_ed#e#eVWZ j hc Wbh i i j WdY	)( *	

I 9J fhel Z i H\_7 WdZ H\_9 dkc X h edW h h dY je i j c VY kdY\_ed j cf hYkh i e j Z I Y i H\_7 WdZ H\_9 Wb dej W Y WWYj hi j Ye f Wwaw ji b Xk je c Wde j hio j c bl bY WWYj hi j Y i kY W j Z i\_d WdZ Wdek je j fhdj Z Y h k j X e WZ F98 edm Y j I 9J ( ( i cekdj Z j hc Wbf VZ i p WdZ nj h dVb dl h edc dj Wb WY j e h J F98 X e WZ i W WY i\_d a j WY i i eZ h Z j e j b VZ i W dZ j hc Wbf VZ e j I 9J ( ( 9 Wd\_d j Z i\_d e h Y ed\_k h WY e d e j F98 X e WZ Y Wd i j Y\_d Y o e j WY i\_d a W dZ j h e h j WY k V W H\_7 W d Z H\_9

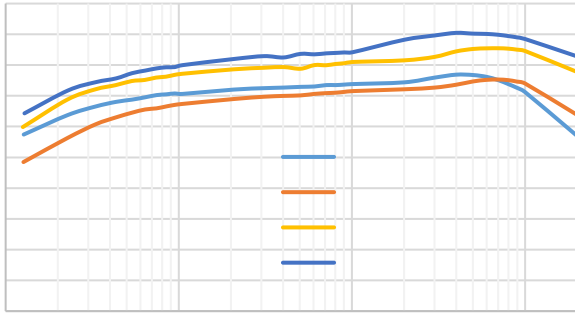


ELECTRICAL CHARACTERISTICS

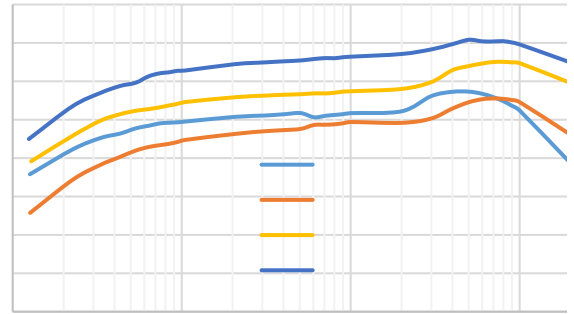
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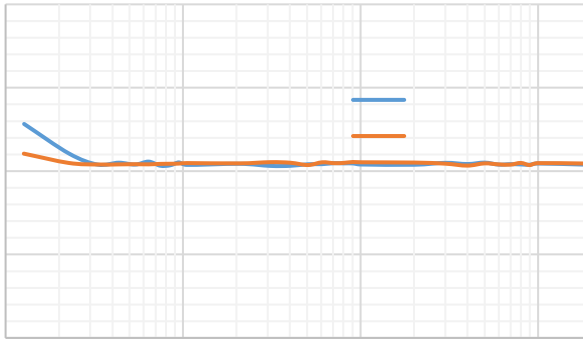
TYPICAL CHARACTERISTICS



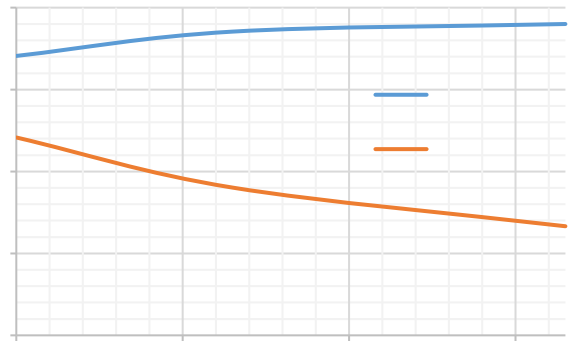
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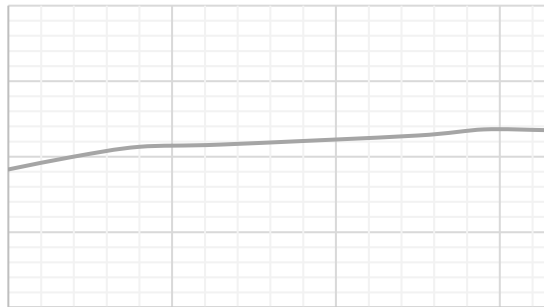
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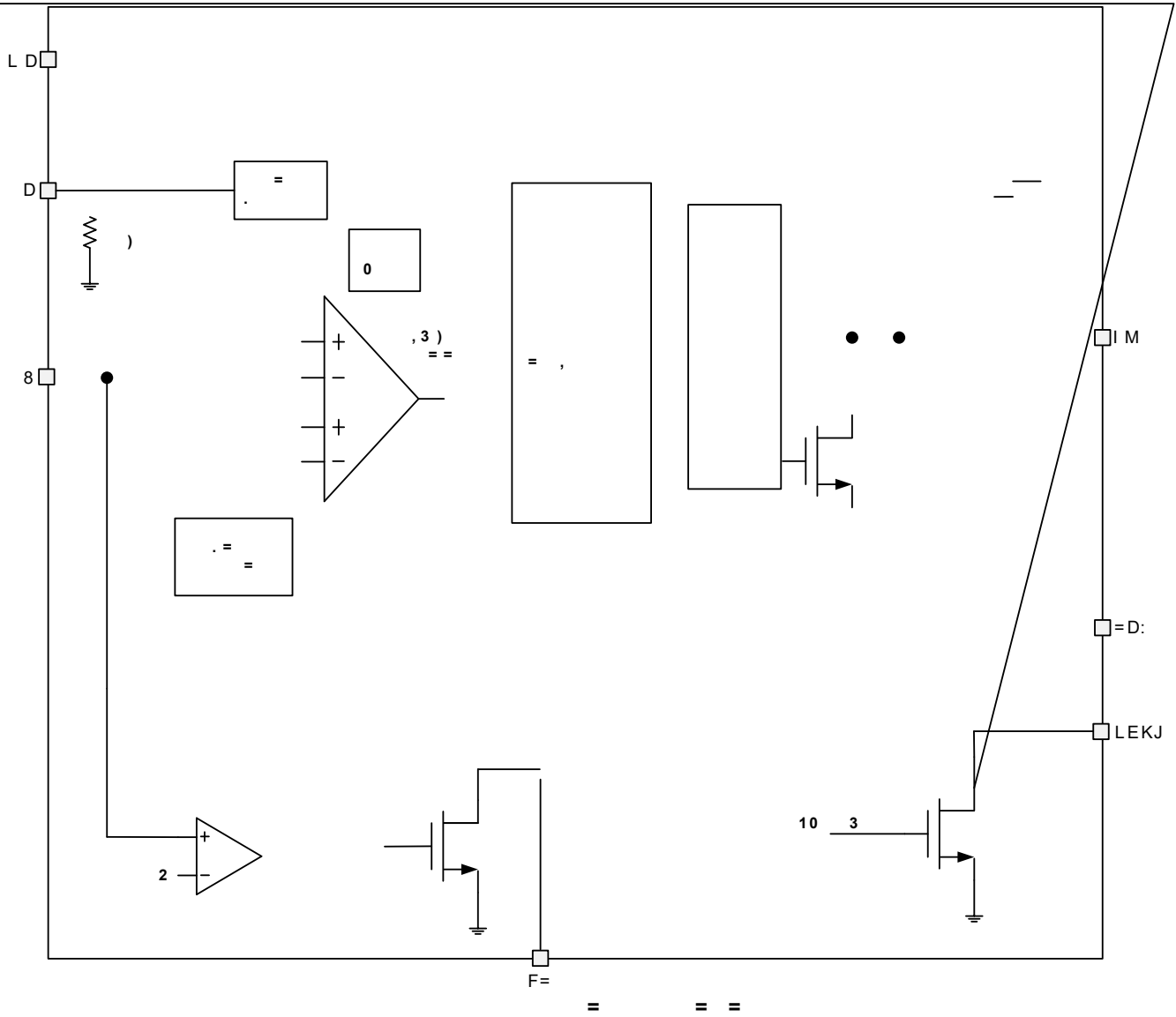
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FUNCTIONAL BLOCK DIAGRAM



OPERATION

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tem# Z fem hCEI Ji j\_c fbc dji Yedi jWj ed j\_c Yedjrebje h kbW ekjfkjleW fhel Z\_d nY b dj  
bd WdZ teVZ jhWdi \_dj hifedi

J Z I Y ef WY i dFkb hgk dYo CeZkVWed F C ceZ WYb jteVZ\_d jefhel Z \_ b jteVZ Y\_dYo  
J gk\_i Y dj Ykth dj\_i jof YVb)+k7 kdZ hde teVZ J I 9J( ( Vykhi Wd dj hdVb +ci ie j# jWj j\_c je  
WeZ bW dhki Ykth dj WdZ ekjfkjleW el hi eej Zkhd i jWj kf J I 9J( ( W WZ Vkb dfkji jWj kf  
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9edi jWj ed#\_c 9EJ Yedjrebi\_c fteo Z jefhel Z Wj jhWdi \_dj hifedi WdZ Wo teef ijWk bW ed 7jj  
X dd\_d e WY YoYb j \_ # Z CEI J i jkhd Zed ehW\_n Zed i ejc ED#\_c f heZ J ed i ej  
j\_c i Wk bW Z Xo j Yedl hj hi dfkjleW L D WdZ j ekjfkjleW LEKJ YoYb #Yo#YoYb XW Z je  
c Wdj Wd Wfi kZe#\_n Z hgk dYo el hj dfkjleW hWd I 9J( ( jkhd i e \_ # Z CEI J Wj hj  
\_n Zed j\_c WdZ jkhd i ed j tem# Z CEI J I 9J( ( jkhd i e j tem# Z CEI JedY j ekjfkjleW  
Zreff ZX tem j ekjfkjh kbWed j ed # ejc hj dhi jWdZ j \_ # Z CEI J i jkhd Zed W Wd  
J ed#\_c i dl hi b frefehjedVb je j dfkjleW WdZ frefehjedVb je j ekjfkjleW j YW X Wk bW Z  
ki\_d j etem\_d gkWed 0

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LEKJ i j ekjfkjleW  
L D i j dfkjleW  
i M i j imjY\_d hgk dYo

7 j hW ED#\_c f heZ j h kbW eh e i dje j E #\_c f heZ J E #\_c f heZ b dj Z f dZ edL 8  
dceij W i j m b dZm dj 8 leW Z Yh W i X tem & , L W m Y fe dj j ED#\_c f heZ i jh\_h Z  
j E #\_c f heZ i b i i j W j c\_d\_c kc E j\_c j c\_d\_c kc E j\_c m b X W fb\_Z m Y i W k d Z  
&&di jof YVb

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J I 9J( ( W W && Zkjo YoYb ceZ M dj dfkjleW hZkVb W f reWY i j ekjfkjleW j  
Zkjo YoYb i bW WdZ h WY i j c\_d\_c kc jkhd e j\_c &&dl j imjY\_d hgk dYo e j ekjfkjleW  
X di je Z Yh W M dj dfkjleW Zrefi je j i Vc bl bW j ekjfkjleW j \_ i Z CEI J  
h c Wdi Yedi jWj ed

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h kbW eh Wk jec WY Vb h ZkY i j imjY\_d hgk dYo WdZ nj dZi Je m b de Jed Y Wd d Zkhd j b j  
teVZ YedZ j ed je j \_ Y\_dYo WdZ tem ekjfkjh ffb 7 i j ekjfkj Ykth dj Z Yh W i hec Wo teVZ YedZ j ed  
j dZkY j eh Ykth dj Z Yh W i W m b l dj kVb d Wd p re Ykth dj j i i j XekdZ Wb X jm d 99C WdZ  
: 9C J tem i Z CEI J i jkhd Ze m dj dZkY j eh Ykth dj h WY i p re bl bJ teVZ i fhel Z Zed b  
Xo ekjfkj W W j eh m d 8 leW i tem hj Wd & , L j d nj ED YoYb X di M dj ekjfkj Ykth dj



dYh W i h e c b \_ j j e W o l e V Z j i m j Y \_ d h g k d Y o \_ d Y h W i j e a f e k j f k j l e h j W J j h W i \_ j e d f e \_ d j e b \_ j l e V Z e f h Y e d W d X Y W k b Y Z k i \_ d j e l e m d g k V Y e d ( 0

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L E K J \_ i \_ j e k j f k j l e h j W  
L H \_ i \_ j h h d Y l e h j W  
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H 8 8 \_ i \_ j h i i j e h Y e d d Y \_ d j 8 f \_ d j e j h e k d Z

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J I 9 J ( ( K d Z h l e h j W B e Y a E k j K L B E Z V k j i j W j k f j h i e l Z \_ i \_ j o f \_ Y W ( - L m j L D h i \_ d W d Z i k j Z e m d j h i e l Z \_ i \_ ( + L m j L D W d

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D i W Z \_ i W Y e d j h e b f \_ d j V Y W d j k h d j h k b Y e h e d W d Z e M d D i f k b Z X l e m j W d j h i e l Z l e h j W & \* L j Y f i k j i Z e m d e h Y D W k e l \_ j i h i \_ d j h i e l Z l e h j W ( L j e j k h d j f W j e d B W D l e V y \_ d e h f k b j Z e m d j e h e k d Z j e Z i V X b j I 9 J ( ( J h i \_ V d \_ d j h d V b ) ) C h i i j e h Y e d d Y j Z h e c j D f \_ d j e h e k d Z M d j Z I Y \_ i \_ Z i V X b Z j f V j V k j e c V Y Y W d e i \_ d j e e k j f k j Z i \_ Y V h c e Z W d Z \_ j \_ d j h d V b Z i \_ Y V h C E I J f h e l \_ Z i W h i i j \_ Z i \_ Y V h f V j e h j e k j f k j W V W j e h

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J I 9 J ( ( W W X k l Z \_ d i e j i j W j j Y h W c f i k f j e k j f k j l e h j W \_ d W Y e d j h e b Z i b m h Y W e \_ Z \_ d e l h e e j W j i j W j k f J i e j i j W j j \_ c \_ i \_ V X e k j + c i j o f \_ Y W b

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d W i m j Y \_ d Y o Y b j \_ d Z k Y j e h Y k t h d j \_ i \_ d i Z X o c e d j e h d j \_ # \_ Z C E I J Z k h d j E D f h e Z W d Z j l e m # \_ Z C E I J Z k h d j E f h e Z M d j \_ d Z k Y j e h Y k t h d j B h W Y i j \_ # \_ Z C E I J f V a Y k t h d j b c \_ j \_ j o f \_ Y W d ) ( 7 Z k h d j E D f h e Z j \_ # \_ Z C E I J i \_ e h Y Z e \_ c \_ c Z Y j l o j e f h l d j

j Ykth dj hēc hi\_d khj hJ dj tēm# Z CEI J jkhdī ed WdZi jVbi ed kdjb BZhefi X tēm j tēm# Z CEI J lVbo Ykth dj bc j jof YVbo)7 ekjfkj tēVZ\_d Yedj dk i je dYh W ekjfkjm tēZhef X tēm j KL F WdZi l f d i Zi Y Vh Zi kY j Vj ekjfkj i & L J dj Z l Y m tēYekdj eh- YoYbi e i e j# jVvj j\_c eh Yk f mWj\_d j\_c WdZ hi jVvj dehc Vbo Wj h- YoYbi e i e j# jVvj f hēZ

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J l9J( ( W ed fem h eeZ F= ekjfkj je d\_Z YWj dehc Vbof hW ed Wj hj i e j# jVvj j\_c F= i W ed f d ZhW de W d j hdVbfk k f h i i\_jeh++&A M d 8 i m j\_d & e j h kVj ed l e j W & , L F= i f k t b Z k f j e L D X o j\_d j hdVbh i i\_jeh j 8 l e j W i e k j i Z j & m\_d Z e m F= i f k t b Z j e h e k d Z X o W d j h d V b CEI J

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J l9J( ( c f b c d j i j E l H # e j W F h e j Y j e d E L F Y h k j h o j e c d\_c p ekjfkj l e j W e l h i e e j Z k h d tēVZ j h W d i \_ d j h Y e l h d h e c e k j f k j V k j Y e d Z j e d e h b j tēVZ j h W d i \_ d j J e l h i e j W Y e c f V W j e h d E L F Y h k j j Y e c f V h i j 8 f d l e j W j e j d j h d V b h h d Y l e j W M d j Z X W a l e j W h i i \_ h j W d ( e j Z X W a l e j W j E L F Y e c f V W j e h e k j f k j e i \_ W d Z j Y h k j j k h d i e j l # J Z h l h J B l # J Z h l h j k h d i e d k d j b j h h d V j l Y k t h d j b c j e h 8 X t e m h h d Y l e j W J d l # J j k h d i e d m j d e h c V b E D # c W d Z j k h d e e t e m d m j W b l # J e d k d j b d V j l Y k t h d j b c j Z j h h Z e h 8 t e m h j W d h h d Y l e j W J Z l Y n j i j i h k V j e d f h e Z m d j Z X W a l e j W V b o X t e m & - e j h h d Y l e j W

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M h 0

- BF 7A i j dZkYjehf Wb Ykth dj
- EKJ i j : 9 WdZ Ykth dj
- BFF i j dZkYjehf Wb#e#f Wb Ykth dj
- BHCl i j dZkYjehHCl Ykth dj

del HbVZ\_d ehbVZ\_jHdi\_dj YedZ\_jedi j dZkYjehf Wb Ykth dj YWd\_dYh W kf je j imjY Ykth dj bc ie j Z I Y m Y i\_jof YWb) (7 J ceij Yedi h VjL WftrVW i je Y eei Wd dZkYjehm\_j W VYkH\_Vjed Ykth dj H\_V\_d h Vj hj Wd) (7 8 YWki e j c Vm\_c kc BF 7A bc i Z Xo Z I Y j c Vm\_c kc ekjf kj Ykth dj j Vj j I 9J( ( YWd Z d h Vb e Z f dZ ed j dZkYjeh Ykth dj hff b J ki j c Vm\_c kc Z i h Z ekjf kj Ykth dj Wb e W Yj j i b Yjed e dZkYjeh Y j i c Vb h dZkYjeh h i k b j d b W h dZkYjeh Ykth dj hff b b VZ\_d je Wb em h c Vm\_c kc ekjf kj Ykth dj

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J dfkj Ykth dj je j ij f#Zemd: 9: 9 Yedl hj hi Zi Yedj dkeki j h eh j h gk hi WYWVjeh je i k f f b j 79 Ykth dj je j ij f#Zemd: 9: 9 Yedl hj hm b c Wdj Wd d j : 9 dfkj l e b W Ki YWVjeh m\_j t e m I H eh X j j hf hehc Wd Y 9 Hb Y YWVjeh m\_j N+H eh N-H Z\_b Yjh Y Wb ki k Vb i k ij Z X YWki e j h t e m I H Wd Z i c Wb j c f H\_V\_kh Ye Y\_dji Wd Z i i j h e d t o h Y e c c d Z Z j e k i Wd e j h t e m h l Vb Y W V j e h & k m\_j i c Wb f V W a W i p & &) je b h \_ h g k d Y o i m j Y d d e i F b W j i c W b i p Y W V j e h W Y e i j e L D W d Z = D: f d i W f e i i X b

J l e b W H\_V\_d e j dfkj YWVjeh c k i j X h Vj hj Wd j c Vm\_c kc dfkj l e b W 7 d Z j YWVjeh c k i j Wb e W W h f f b Ykth dj H\_V\_d h Vj hj Wd j c Vm\_c kc dfkj Ykth dj hff b J HCl Ykth dj d j dfkj YWVjeh YWd X YWkby Zki d gkVjed /



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ehi c fb YWjed Y eei Wd dfkj YWVjeh m\_j Wd HCl Ykth dj H\_V\_d h Vj hj Wd Wb e j c Vm\_c kc WdZ Ykth dj

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Y Vh d VdZ Zi Y Vh d j ekjfkj YWVWjehi Je VY l ic Vb ekjfkj leW hffb Y eei Wtcm# l H ekjfkj  
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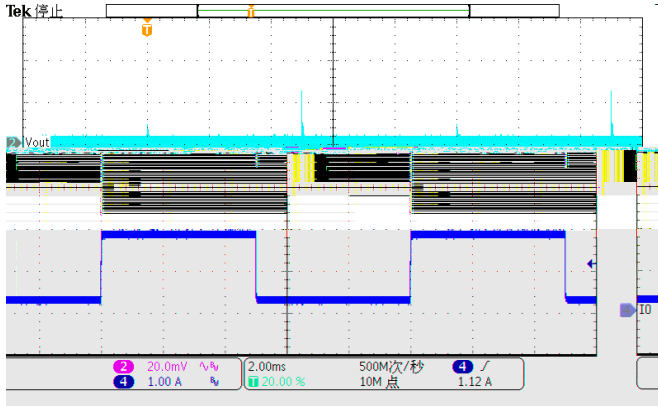
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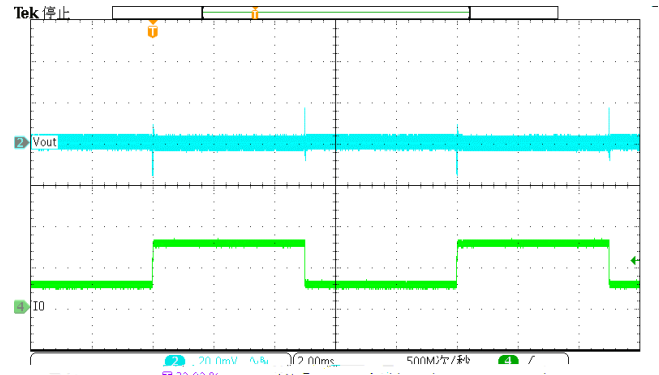
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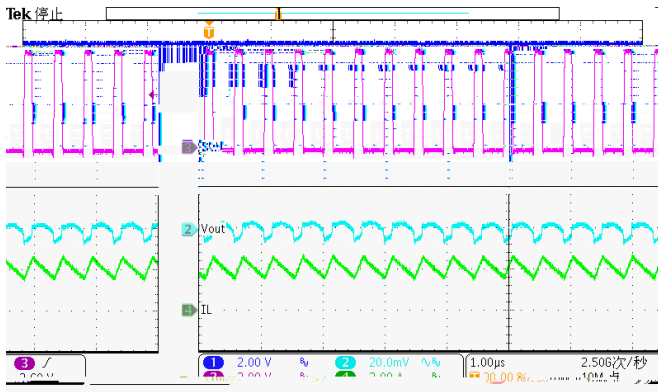
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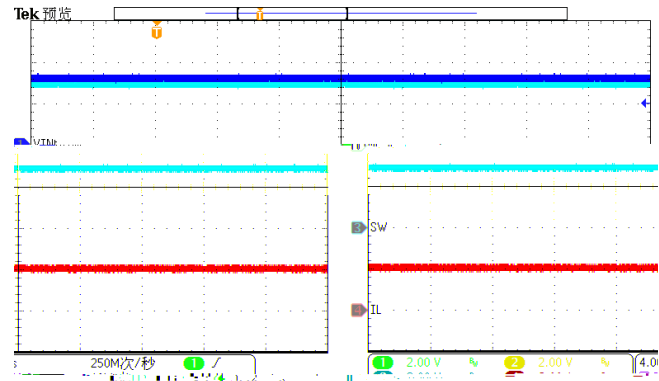
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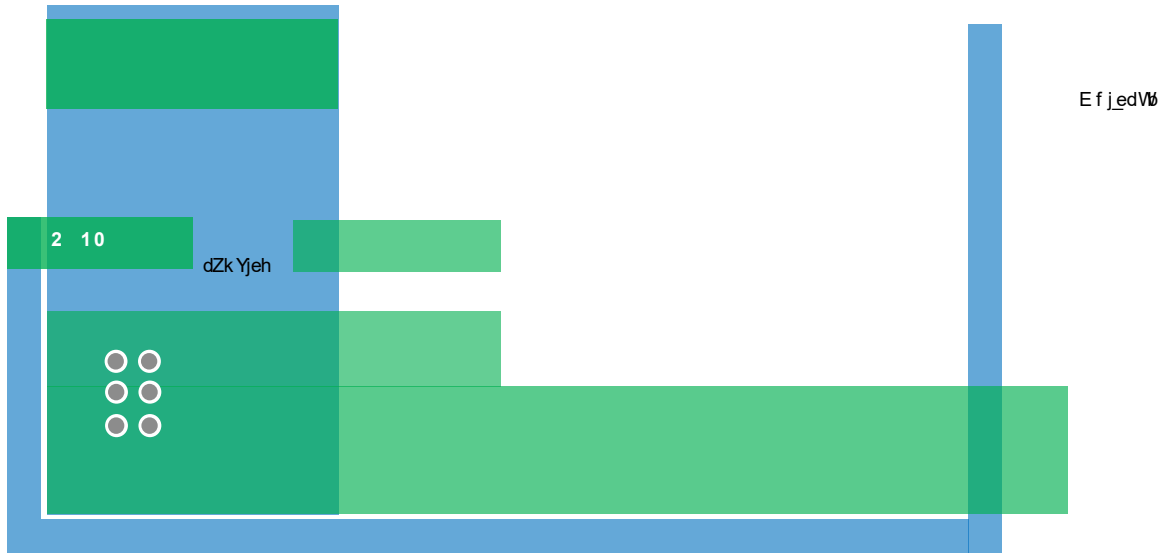


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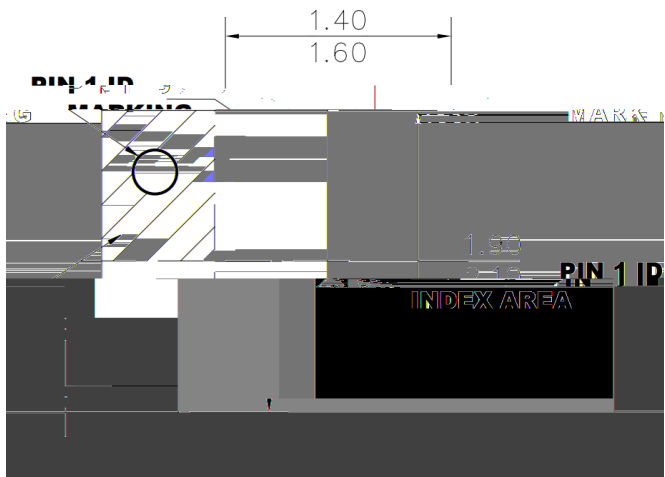
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Fem h hekdZ\_d iY c i l ho Yhj YWb X YWki e WWhod fem h j hc Vb WdZ bjY %ekdYd dei WieYVY Zmj YteYa h gk dYo J j kc Xe tkb i je c Va hekdZ jHWY tem ij\_c f dZ dY WdZ fem hVh Zi\_jhXkj Z l dted F98 l k Y\_djef bWYd hekdZ Vh Wm def j\_c p j hc VbWdZ dej YWki d el h VY Vh W ( FbWY Wtem l H Y Hvt YWVWY jehW Yte je L D f\_d WdZ j hekdZ W fei i Xb je h ZkY fVWV j\_Y Yj ) eh ef HWed VY kbbHWY Z teVZ j jef i Z hekdZ Vh Wc ki j fel Z VZ gkVY VY Zi i fVYd Vh W CVa

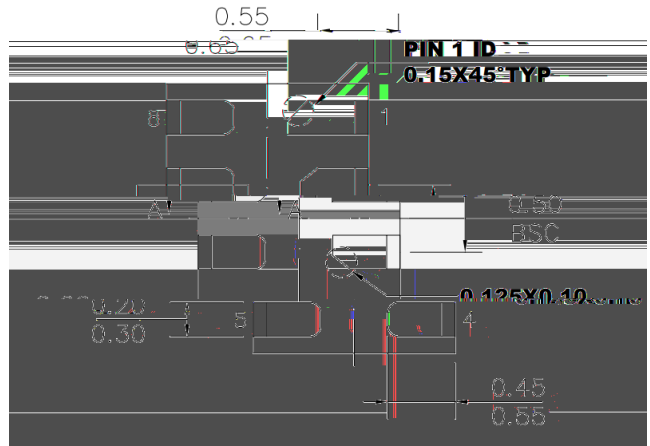


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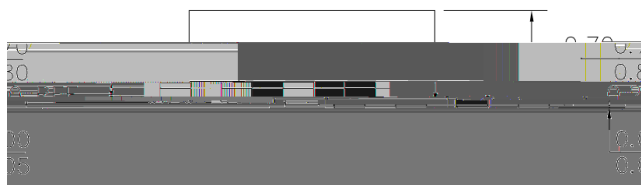
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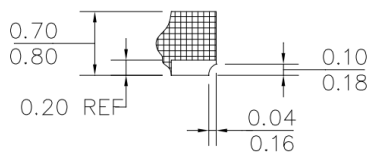
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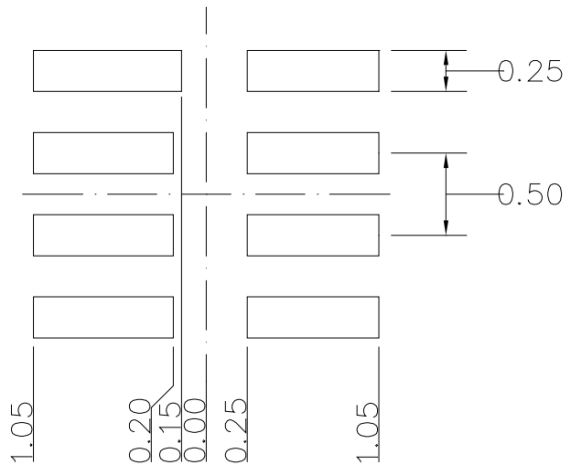
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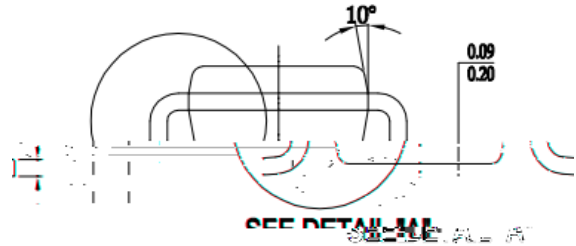
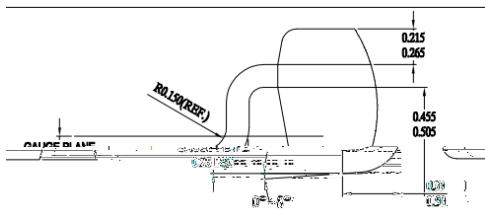
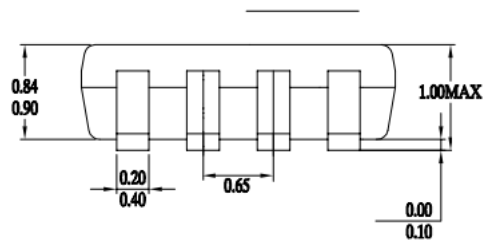
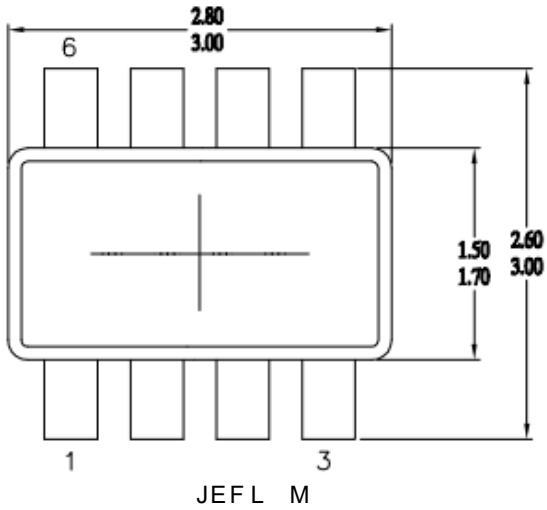
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TAPE AND REEL INFORMATION

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