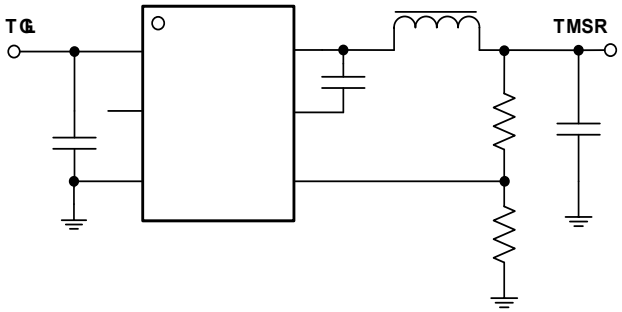
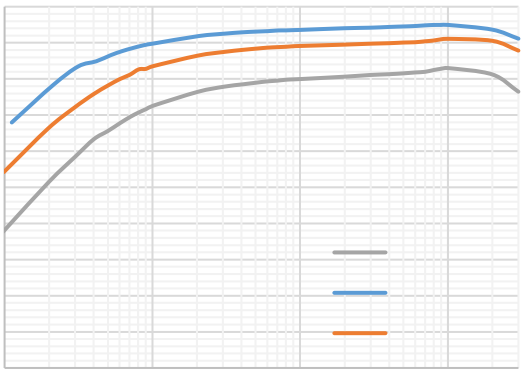
17N N K K

LM K K AHLAGF

HHDA LAGFK

L HA D HHDA LAGF





NAKAGF AKLG

NAG AF G E LAGF

MPBCP C N AI EGLE QR LB PB
BCTGAC RWNC N AI ORW

HÆF MF LÆGFK

L KC	LM,	NG. DSLARGML

□ GEE□F □ GH□ LÆF GF ÆLÆGFK

N P KCRCP	BCDG.GRGML	KG.	K V	SLGR

□K LÆF K

N P KCRCP	BCDG.GRGML	KG.	K V	SLGR

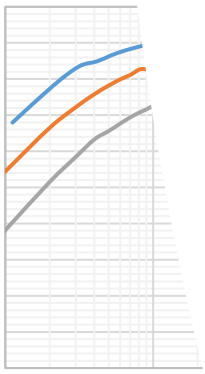
L □ E DÆF G E LÆGF

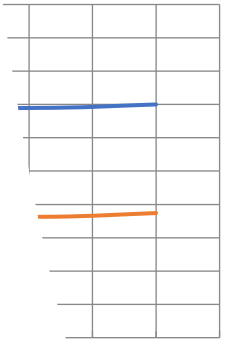
N P KCRCP	RFCPK KCRPÇA	RQMR01 4	QMR341	SLGR

□D□ L A D L□ AKLAK

QWK M	N P KCRCP	RCQR AMLBGRGML	KG RWN K V	SLGR
Nmu cpQsnn w l b Msrnsr				
Cl c QmdrQr pr l b Umpigle Kmbcq				
Nmu cpKMQDCRq				
Dccb ai l b Cppmp k n gtgcp				
Aspcclr gk g				
Qu gafgle Dpcoscl aw				
QmdrQr pr Rgk c				
Npmrcargml				

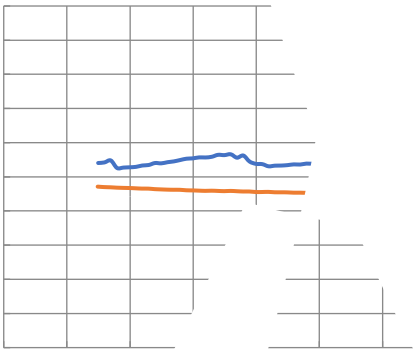
L HA D





Dgespc /, QAR001. A C

pc

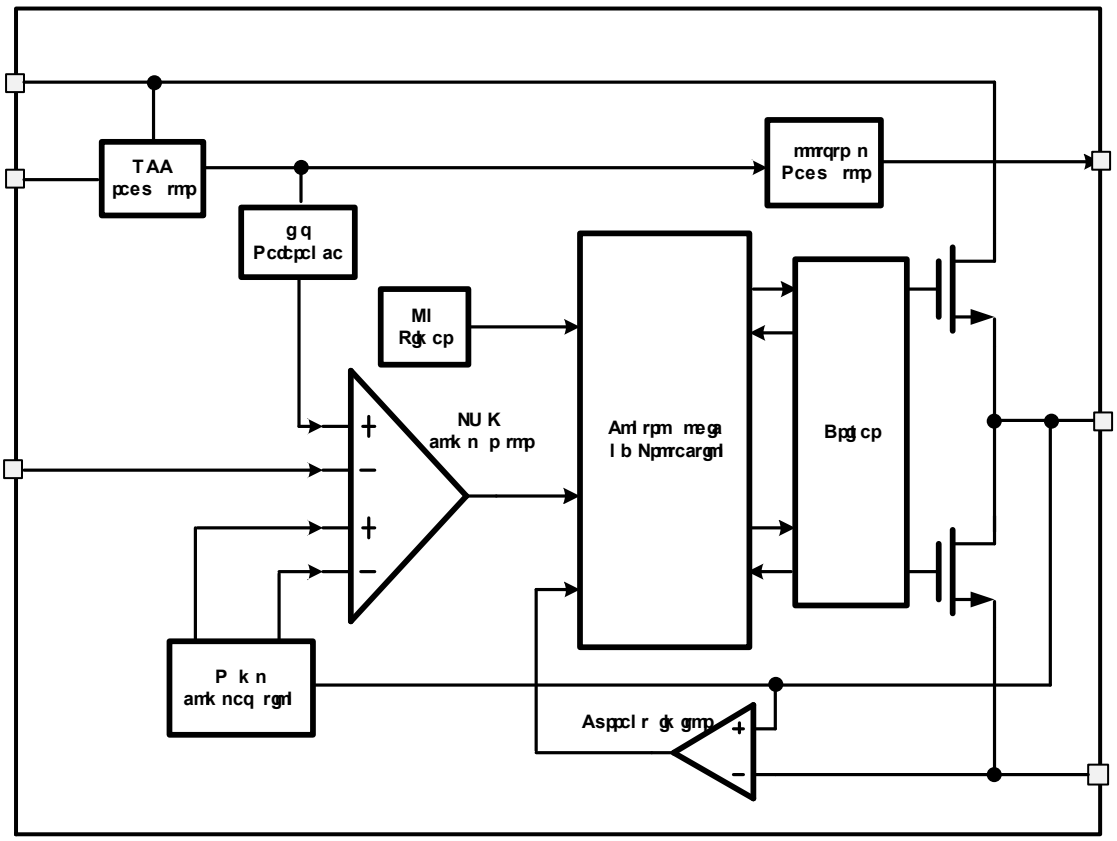


Dge: Pces rgrl

Dgespc 3, Dccb ai Tmr ec t q, Rck ncp rspc

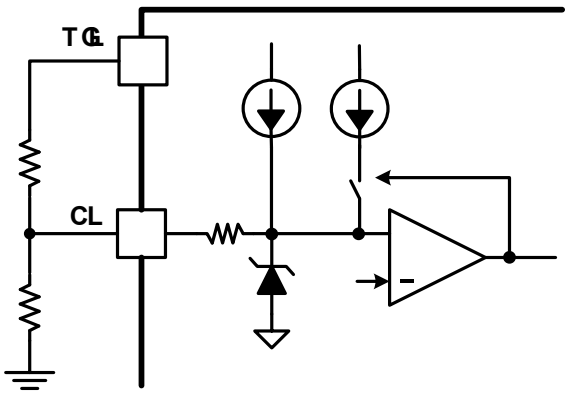
Dgespc 4, Osgcqacl r Asppcl

MF LAGF D DG C A E



Sl bcpTmr ec mai msr ST M

Cl c l b Qr pr sn



$$3 = \frac{(\text{——}) -}{{}_1(1 - \text{——}) + {}_2}$$

$$4 = \frac{{}_3 \times}{- \quad + {}_3({}_1 + {}_2)}$$

Mt cp Aspcl r Npmrcargml &MAN l b Fgnasn Kmbc

mmrqrp n Tmr ec Pces rmp

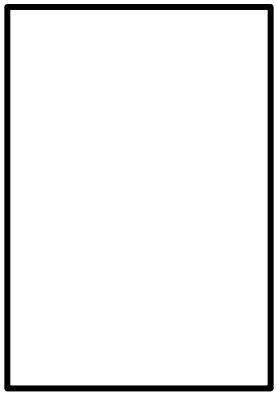
Rf cpk Qf srbmu l

°

°

HHDA LAGF ÆF G E LAGF

Rwngn nn gn rgnl



Dgespc 6, /0T Gnsr 1,1T-1 Msrnsr

Bcqgel N p k crcpq

Bcqgel N p k crcpq	Cv k n c T sc

Gnsr A n agmpQc cargnl

$$\Delta = \frac{}{\times} \times \frac{V_{OUT}}{V_{IN}} \times (1 - \frac{}{})$$

Gbsarmp Qc cargml

$$= \frac{\times (\quad - \quad)}{\times \quad \times \quad \times}$$

$$= \quad + \quad \times \frac{}{2}$$

R c /, Pcamk k cl bcb Gbsarmpq

N pr L sk cp	&sF	BAP K v &	Q rsp rgml Aspcl r-Fc r P rgle Aspcl r &	Qgxc K v & vU vF k k	Tcl bmp

Msrnsr Dccb ai Pcqgqrmp Bgl gpcp Qc cargml

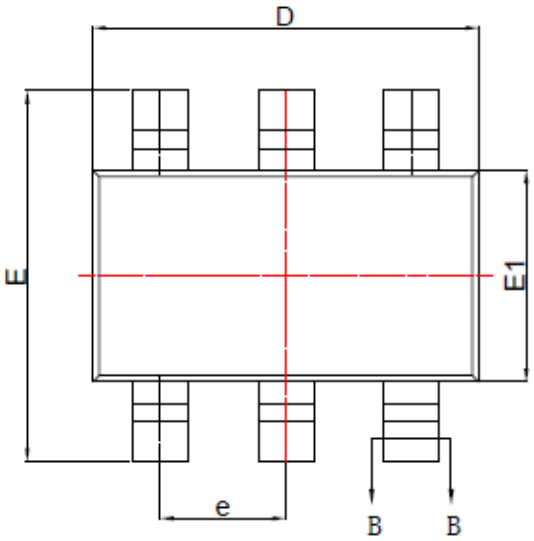
$$_1 = \frac{(\quad - \quad) \times \quad _2}{}$$

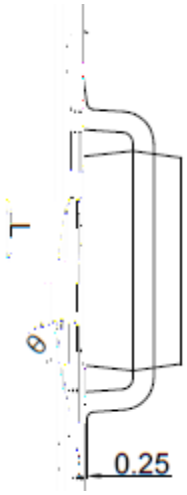
R c 0, Pcamk k cl bcb Amk nml cl r Qc cargml q

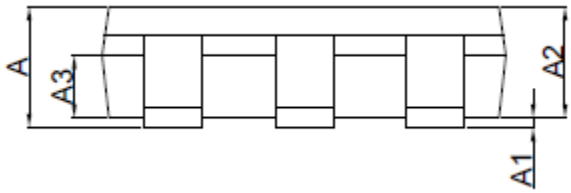
Msrnsr Tmr ec &T	P/ &	P0 &	& F	A/ & D	A0 & D	A1 & D

wmsr E sgpc g c

H C ?AF G E LAGF LKGL D



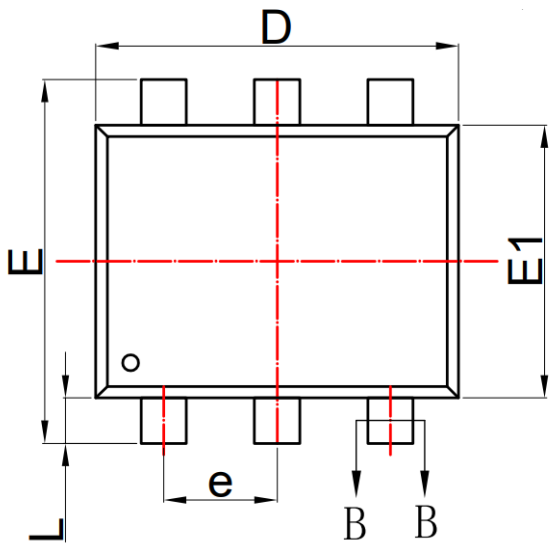


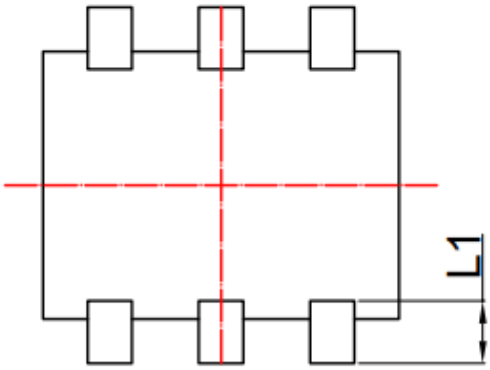


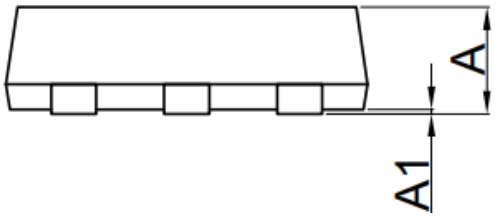
LMRC8

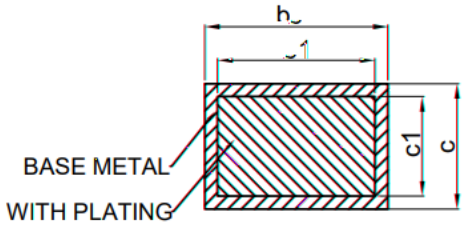
QWK M	SI g8K g gk crcp		
	KG.	RWN	K V

H C ?AF G E LAGF KGL





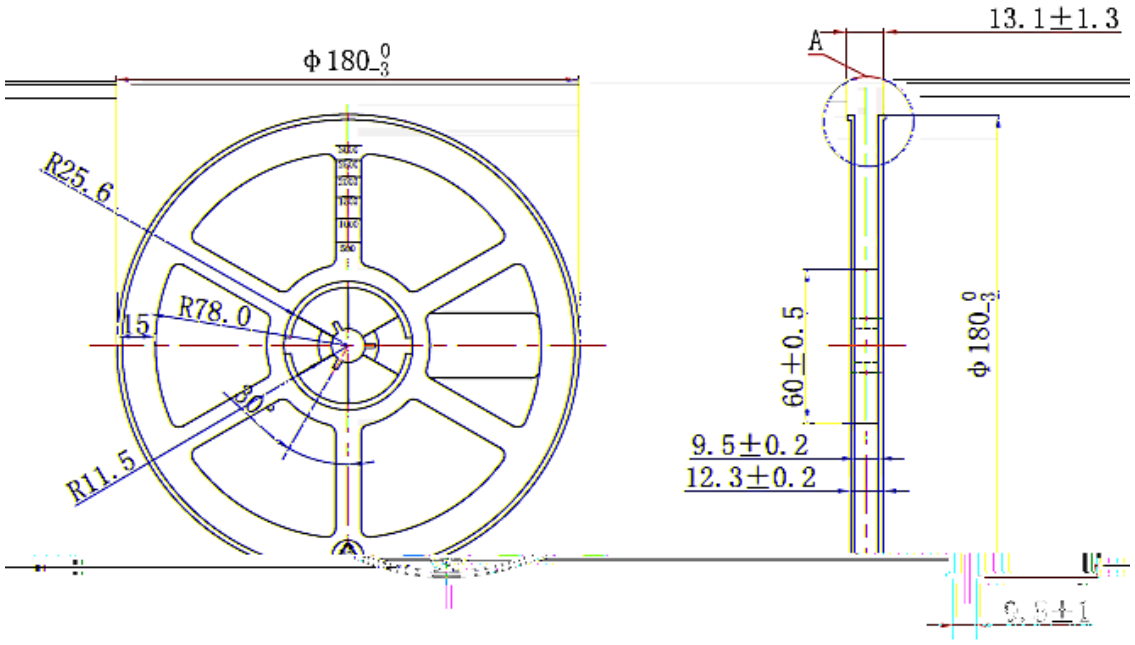


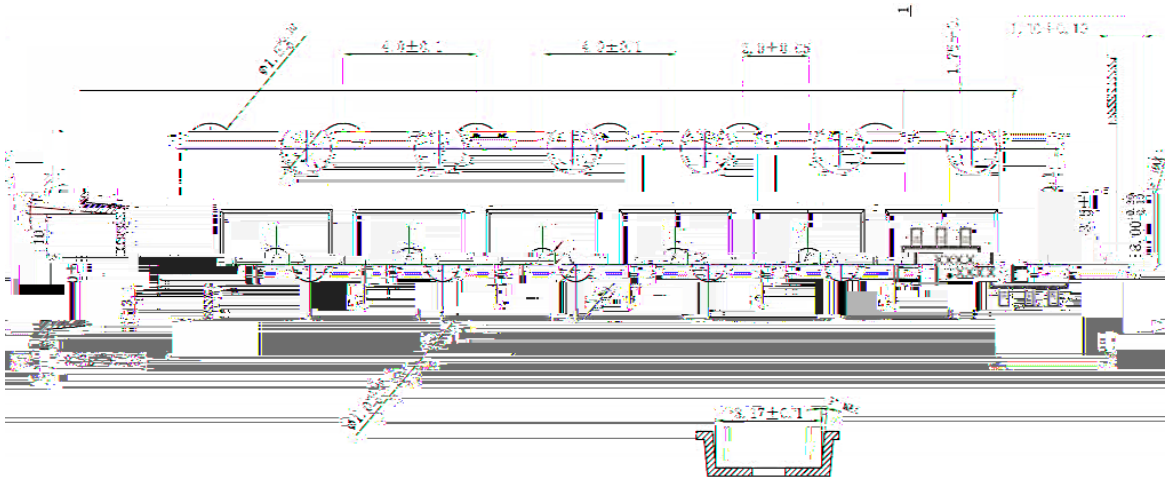


LMRC8

QWK M	Sl g8K g gk crcp		
	KGL	RWN	K V

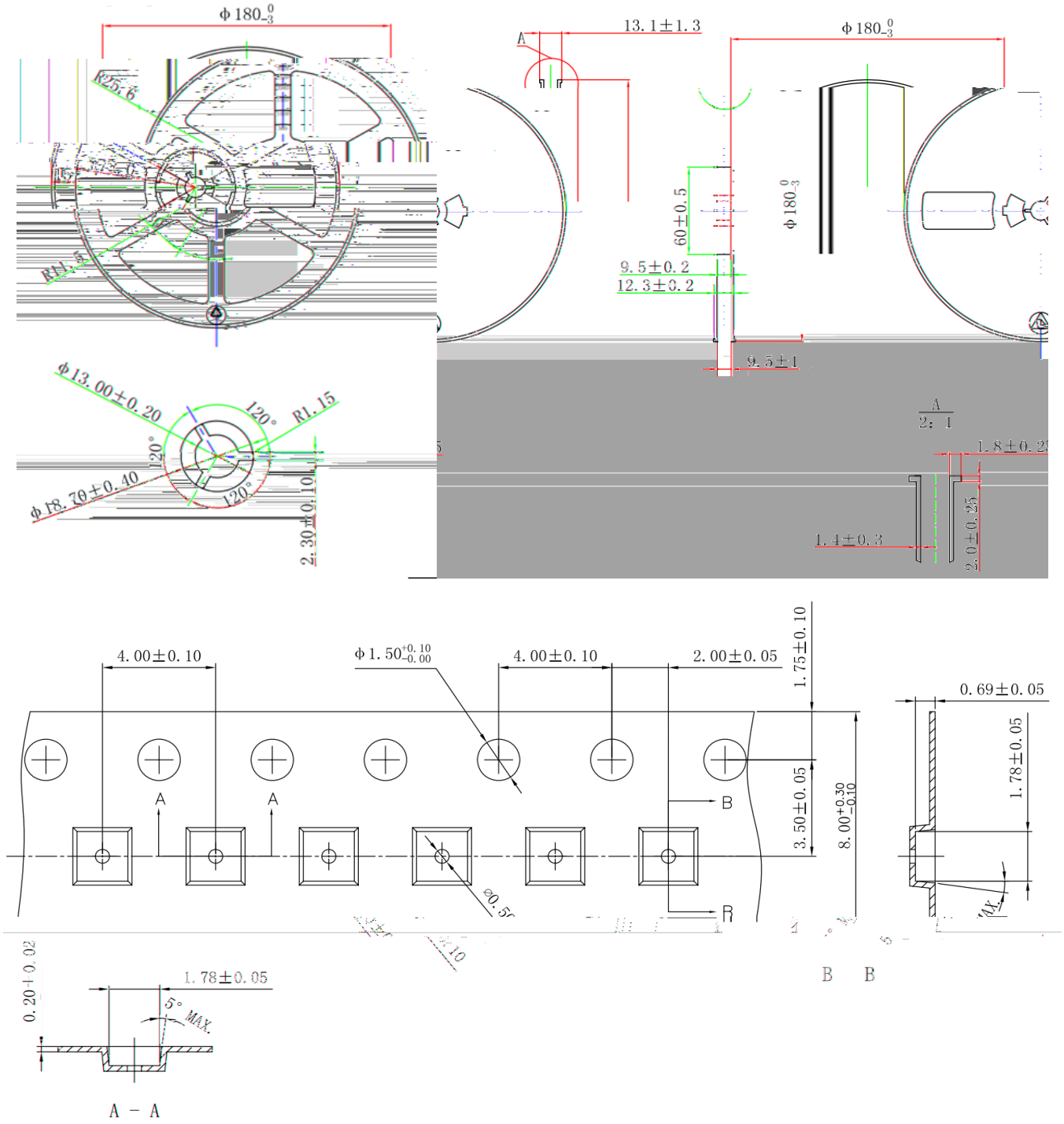
L H F DAF G E LAGF





Dccbg e Bgcargrl

L H? F ??DÆF G E LÆGF



Dccbg e Bgcargrl