

Z2APK36H
FEATURES

- * Halogen-free type
- * Compliance to RoHS product
- * Lead less chip form, no lead damage
- * Low power loss, High efficiency
- * High current capability, low VF
- * Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- * Patented ZPAK™ Package Technology

APPLICATION

- * Switching mode power supply applications
- * Portable equipment battery applications
- * High frequency rectification
- * DC / DC Converter
- * Telecommunication

MECHANICAL DATA

Case : Packed with FRP substrate and epoxy underfilled

Terminals : Pure Tin plated (Lead-Free),
solderable per MIL-STD-750, Method 2026.

Polarity : Laser Cathode band marking

Weight :

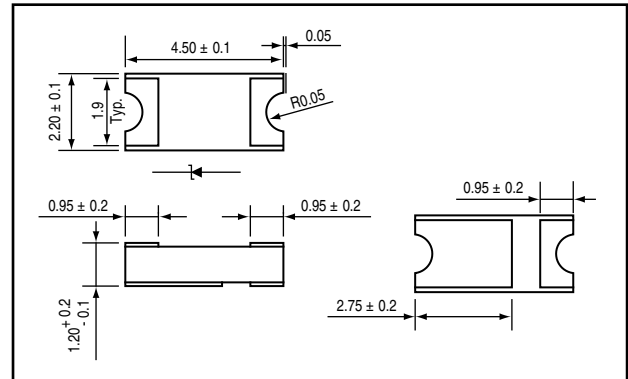
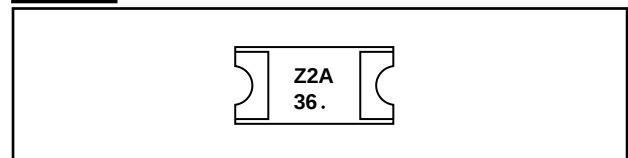
PACKING

- * 3,000 pieces per 7" (178mm ± 2mm) reel
- * 4 reels per box
- * 6 boxes per carton

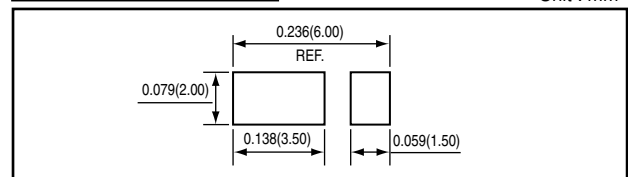
OUTLINE DIMENSIONS

Case : Z2APAK

Unit : mm


MARKING

MOUNTING PAD LAYOUT

Unit : mm


Absolute Maximum Ratings (Ta = 25 °C)

ITEM	Symbol	Conditions	Rating	Unit
			Z2APK36H	
Repetitive peak reverse voltage	VRRM		60	V
Average forward current	IF(AV)		3.0	A
Peak forward surge current	IFSM	8.3ms single half sine-wave	80	A
Operating junction temperature Range	Tj		-55 to +125	°C
Storage temperature Range	TSTG		-55 to +150	°C

Electrical characteristics (Ta = 25 °C)

ITEM	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage (NOTE 1)	VF	IF = 3.0A	-	0.58	0.70	V
Repetitive peak reverse current (NOTE 1)	IRRM	VR = Max. VRRM , Ta = 25 °C	-	0.05	0.2	mA
Thermal resistance	Rth(JA)	Junction to ambient (NOTE 2)	-	137	-	°C / W
	Rth(JC)	Junction to case (NOTE 2)	-	14	-	°C / W

NOTES : (1) Pulse test width PW=300usec , 1% duty cycle.

(2) Mounted on P.C. board with 2.0 x 2.0mm) copper pad areas.