



CHENMKO ENTERPRISE CO.,LTD

Halogens free devices

SURFACE MOUNT ZENER
SILICON PLANAR POWER ZENER DIODES
VOLTAGE RANGE 20 V

CHAZ4747BGP-A

FEATURE

* High temperature soldering type.

MECHANICAL

* SMA Packaging.
* Cathode indicated by polarity band.

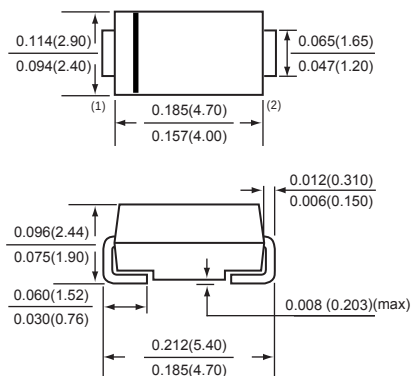
MARKING

* 4747

CIRCUIT



SMA



Dimensions in inches and (millimeters)

SMA

MAXIMUM RATINGS (At TA = 25°C unless otherwise noted)

RATINGS	SYMBOL	VALUE	UNITS
Zener Current (see Table "Characteristics")	-	-	-
Max. Steady State Power Dissipation @TA=25°C	PD	1.0	W
Max. Operating Temperature Range	TJ	-65 to +150	°C
Storage Temperature Range	TSTG	-65 to +150	°C

ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

TYPE	Zener voltage Vz (V) @ IZT			Test current IZT (mA)	Maximum Zener impedance			Maximum reverse leakage current	
	Min	Nom	Max		ZZT at IZT (Ω)	ZZK (Ω)	at Izk (mA)	IR (uA)	at VR (V)
	Volts	Volts	Volts						
CHAZ4747BGP-A	19.60	20	20.40	12.5	22	750	0.25	5	15.2

2015-08

RATING CHARACTERISTIC CURVES (CHAZ4747BGP-A)

FIG. 1 - TYPICAL TEMPERATURE COEFFICIENTS)

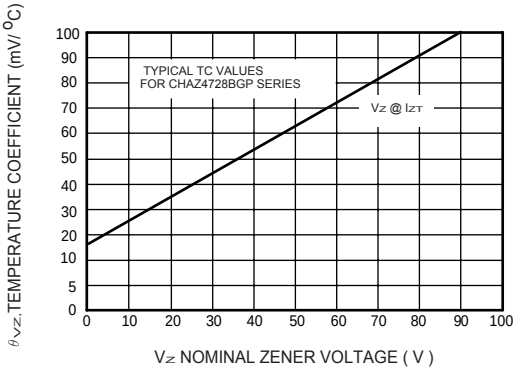


FIG. 2 - TYPICAL LEAKAGE CURRENT

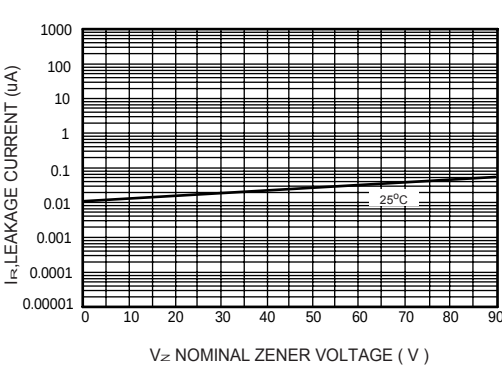


FIG. 3 - ZENER VOLTAGE VERSUS ZENER CURRENT

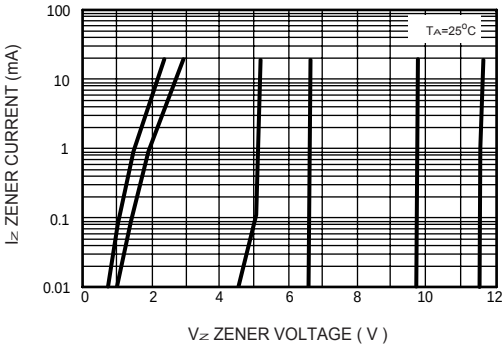


FIG. 4 - ZENER VOLTAGE VERSUS ZENER CURRENT

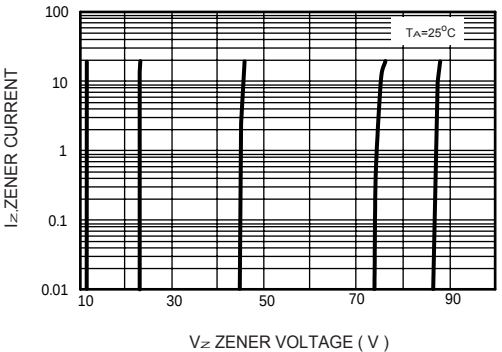
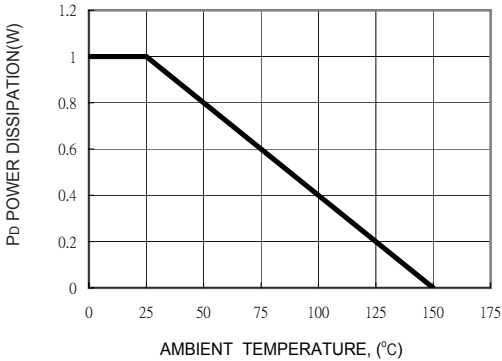


FIG. 5 - TYPICAL POWER DISSIPATION DERATING CURVE





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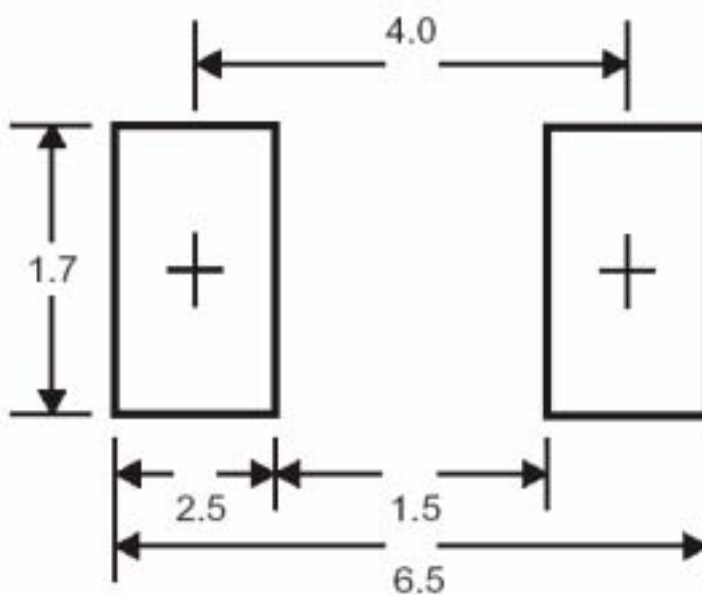
SURFACE MOUNT

RECOMMENDED FOOT PRINT

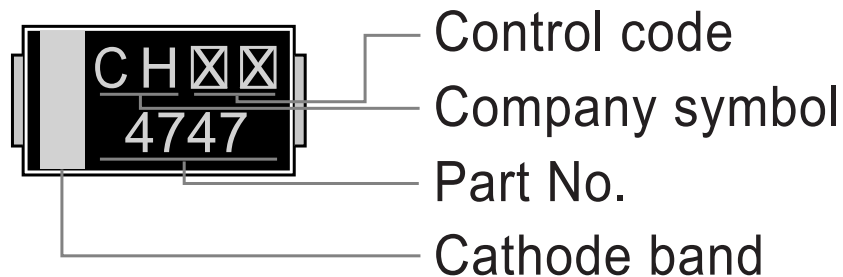
all dimensions in mm

SMA

SMA



The Marking and Part No. for CHAZ4747BGP-A (SMA)



Control code:

* First Digital(X1): Year code
Example : 2014-----4
 2015-----5

* Second letter(X2): Month code
Example : Jan-----a
 Feb-----b

PART No.:

4 7 4 7
└─── Marking Code

CUSTOMER :	APPROVED : JASON	 CHENMKO LTD.
APPROVED :	CHECKED : ANGEL	
CHECKED :	DRAWN : DANY	DRAWING No. :