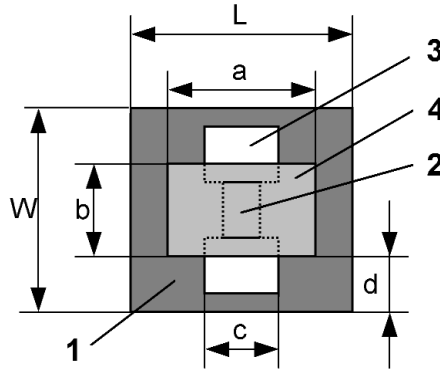
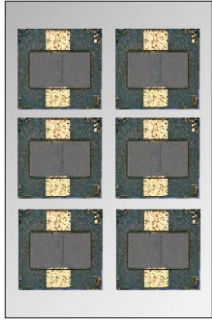


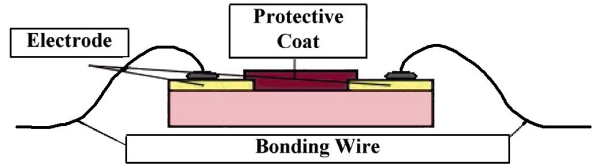
FLAT CHIP HIGH FREQUENCY THIN FILM SHDR

NEW



STRUCTURE

- 1 Ceramic substrate
- 2 Thin TaN layer
- 3 Termination (Au)
- 4 Coating (Polyimide)



TYPE DESIGNATION (HOW TO ORDER)

SHDR	001	G	TD	391	J
PRODUCT CODE	REFERENCE NUMBER	TERMINATION SURFACE MATERIAL	TAPING*	NOMINAL RESISTANCE	RESISTANCE TOLERANCE
	001: 0202 004: 0402	G: Au	K: chip tray U: wafer TD: paper tape	J: 3 digits	J: ±5%

*Please see "PACKAGING"

DIMENSIONS (mm)

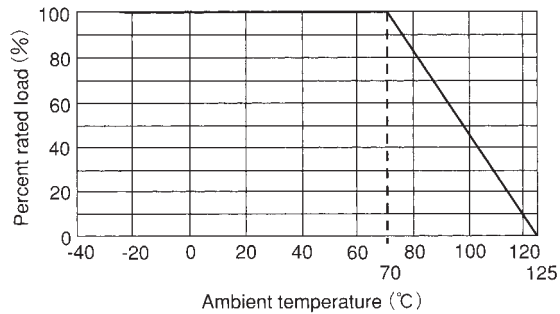
SIZE	TYPE	L(±0.05)	W(±0.05)	a	b	c(±0.02)	d(±0.02)
0202	SHDR 001*	0.5	0.5	0.36	0.22	0.13	0.13
0402	SHDR 004*	0.5	1.0	0.22	0.22	0.44	0.22

*Thickness: 0.2 ± 0.05 mm

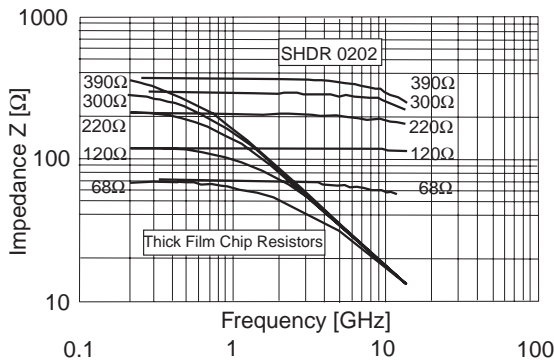
FEATURES

- Tantalum nitride thin film
- Broad band up to 10 GHz
- Return loss less than -15 dB
- High resistance value up to 390 Ω
- Wire-bonding form
- Super-miniature size 0202
- Ideal for use in optical fiber communication equipment, mobile communication devices or in ITS equipment
- Operating temperature range: -55°C ... +125°C

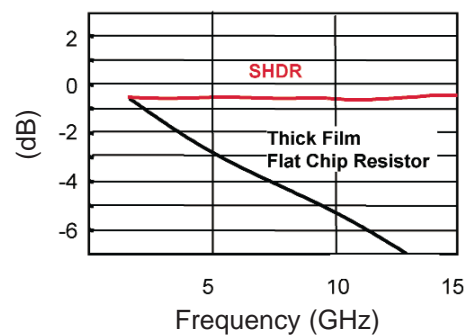
DERATING CURVE



IMPEDANCE vs. FREQUENCY CHARACTERISTIC



TYPICAL ATTENUATION



RATING

SIZE	TYPE	TYPE OF ELECTRODE	T.C.R. (ppm/K)	RATED POWER	RATED VOLTAGE	FREQUENCY RANGE	RESISTANCE RANGE
0202	SHDR 001	B (Bonding)	-100 ± 50	0.031 W	20 V	DC ...	22 Ω ... 390 Ω 50 Ω and 75 Ω
0402	SHDR 004			0.063 W	-	10 GHz	

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