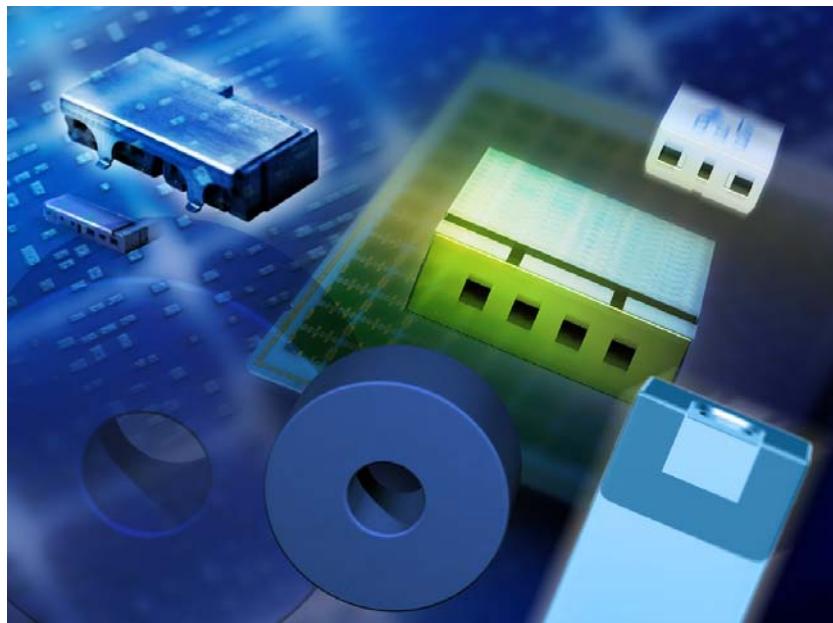


**Preliminary Datasheet**



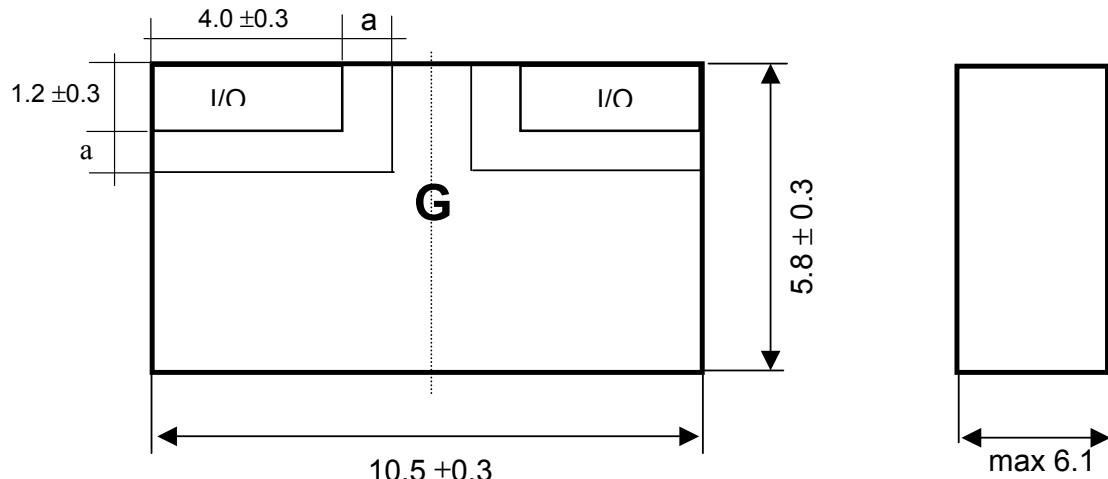
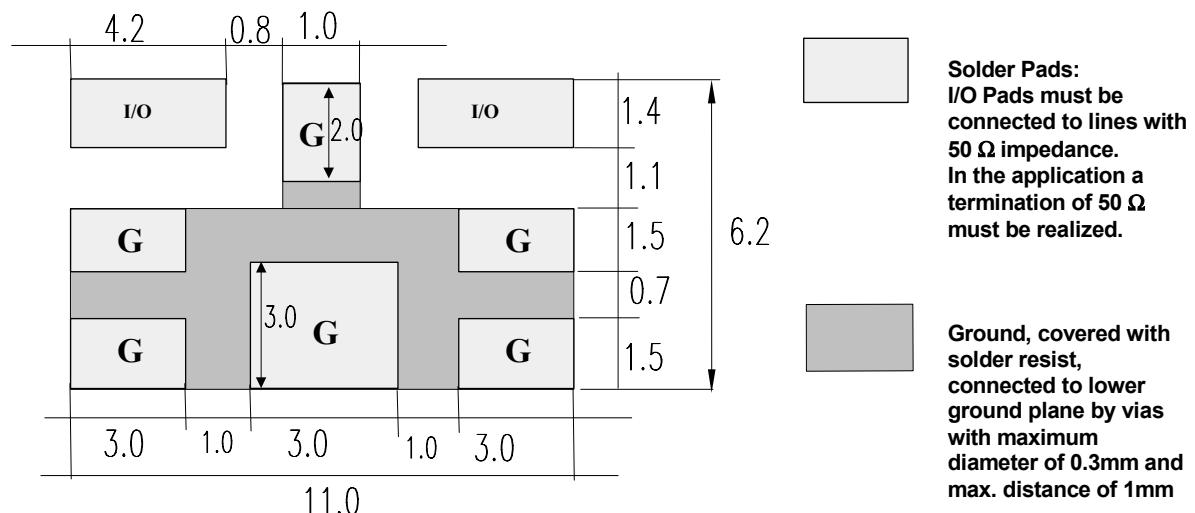
**Features**

- Extreme Low Losses in Passband (typ. 0.5dB)
- High Power Durability
- High attenuations at GSM, PDC, PHS, UMTS, and WLAN Bands
- Excellent reflow solderability, no migration effect due to copper/tin metallization

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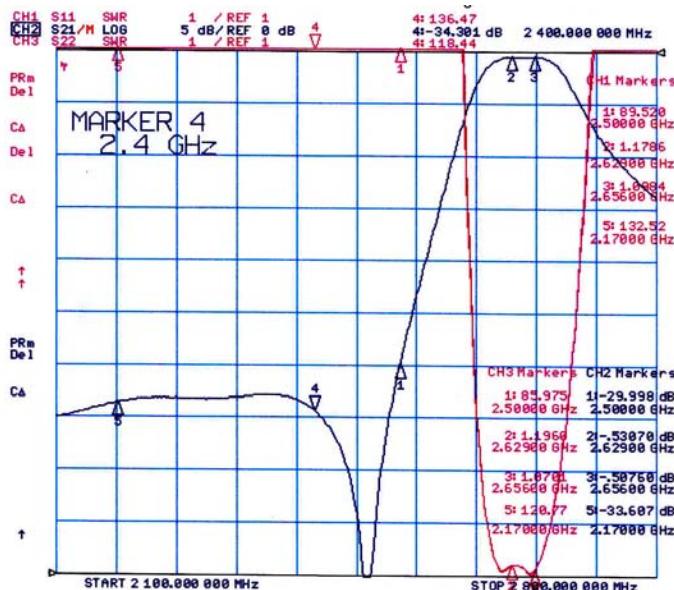
**Dimension Limits**

**Recommended Footprint**


Characteristics (over whole temperature range)		min.	typ.	max.
Center frequency	$f_C$	-	2.6425	-
Insertion loss	$\alpha_{IL}$	0.5	0.7	GHz
Passband (2629- 2656)	$B$	27		MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$	0.1	0.2	dB
Standing Wave Ratio / Return Loss [dB]		1.12 / -25	1.5 / -14	
Impedance	$Z$	50		$\Omega$
Attenuation	$\alpha$			
at DC to 440 MHz		57	60	dB
at 440 to 1525 MHz		40	44	dB
at 1525 to 1680 MHz		38	41	dB
at 1680 to 1980 MHz		34	38	dB
at 1980 to 2170 MHz		30	33	dB
at 2170 to 2500 MHz		27	29	dB
at 3450 MHz		35	40	dB

## Maximum ratings

IEC climatic category (IEC 68-1)	- 40 / + 90/56	
Operating temperature	$T_{op}$ - 40 / + 85	°C

## Typical passband characteristics

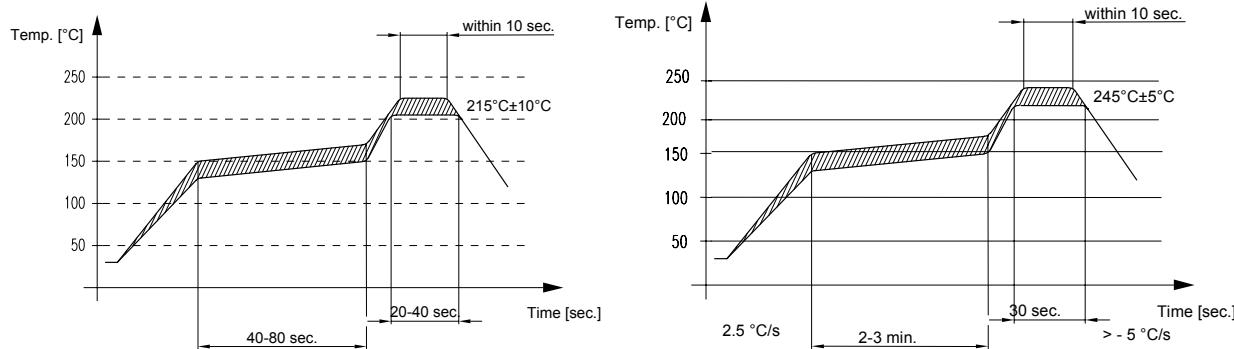


**Processing information**

Wettability to IEC 68-2-58:  $\geq 75\%$  (after aging)

**Soldering Requirements**

	Profile for eutectic SnPb solder paste	Profile for leadfree solder paste	
Soldering type	reflow	reflow	
Maximum soldering temperature (measuring point on top surface of the component)	235 (max. 2 sec.) 225 (max. 10 sec.)	260 (max. 2 sec.) 250 (max. 10 sec.)	°C °C

Recommended soldering conditions (infrared):

**Delivery mode**

- Blister tape acc. to IEC 286-3, grey
- Pieces/tape: **t.b.d**

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The information contained in this data sheet describes the type of component and shall not be considered as guaranteed characteristics. Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.

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