

SHUNT CHIP RESISTORS

Type	Load Capacity(W)* 〔 〕 FreeAir	Resistance Range(Ω)	Resistance Tolerance(%)	Temp.Coefficient (20°C~60°C)	OperatingTemp	Solder Reflow	Internal Thermal Resistance($^{\circ}\text{C}/\text{W}$)
SMK	0.5〔0.1〕	0.01~0.5	± 1	$\pm 50\text{ppm}/^{\circ}\text{C}$ ($R \geq 15\text{m}\Omega$) $\pm 100\text{ppm}/^{\circ}\text{C}$ ($R < 15\text{m}\Omega$)	-55~+170	MAX. 255°C (t<40sec)	60°C/W
SMP	1〔0.2〕	0.005~1	± 1	$\pm 50\text{ppm}/^{\circ}\text{C}$ ($R \geq 10\text{m}\Omega$) $\pm 100\text{ppm}/^{\circ}\text{C}$ ($R < 10\text{m}\Omega$)			30°C/W
SMT	3〔0.5〕	0.004~0.68	± 1	$\pm 100\text{ppm}/^{\circ}\text{C}$ ($R < 10\text{m}\Omega$)			13°C/W
SMS	2〔0.5〕	0.005~1	± 1	$\pm 50\text{ppm}/^{\circ}\text{C}$ ($R \geq 10\text{m}\Omega$) $\pm 100\text{ppm}/^{\circ}\text{C}$ ($R < 10\text{m}\Omega$)	-55~+170	MAX. 255°C (t<40sec)	20°C/W

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VMK	1	0.01~0.47	± 1	$\pm 20\text{ppm}/^{\circ}\text{C}$	-55~+170	MAX. 255°C (t<40sec)	60°C/W
VMP	2	0.005~1					30°C/W
VMS	3	0.005~1					25°C/W

Type	Wattage Rating (W)		Standard Resistance ($\mu\Omega$)	Temp. Coefficient (ppm)	Thermal EMF (0~100°C)	
	Chassis Mounted	Free Air				
PSS	100	40	50, 100, 200, 500, 1000	± 0.1 ± 0.5 ± 1	± 5 ± 10	2 $\mu\text{V}/^{\circ}\text{C}$ MAX

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