

**Suntan® Su®**

Our chip resistors come in standard EIA sizes including 0402, 0603, 0805, and 1206.

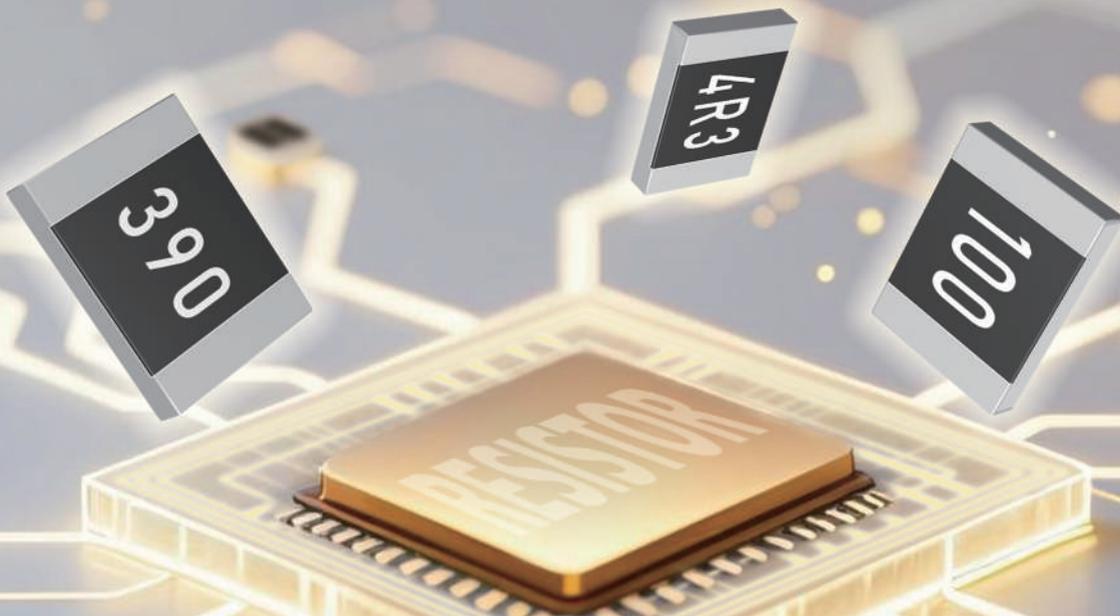
Suntan offers a comprehensive range of thick film chip resistors engineered for high-performance, surface-mount applications.

RoHS

# RESISTOR

High Current (TSHC Series), High Voltage (TSHQ Series), and High Power (TSHP Series)

Small Size • Light Weight • Reliability • High Quality • High Power



1Ω up to 10MΩ

-55°C to +155°C



All Kinds of Capacitors

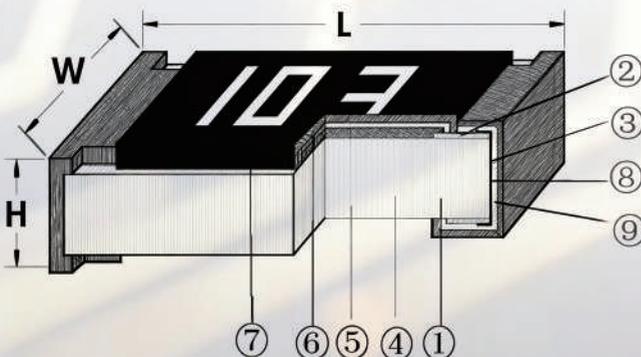
**Suntan Technology Company Limited**

# RESISTOR

Thick Film Chip Resistors-TSHC | High Power Thick Chip Resistor-TSHP | Automotive Thick Chip Resistor-TSHQ

Suntan P/N	TSHC	TSHP	TSHQ
			
TYPE	General Purpose	High Power	Automotive Grade (AEC-Q200) Standard
SIZE RANGE	1210~2512	0201~2512	0201~2512
RATED POWER	1/2W ~ 1W	1/10W ~ 2W	1/20W ~ 1/8W
TEMPERATURE USAGE RANG	-55°C~+155°C	-55°C~+125°C(0201) -55°C~+155°C(other)	-55°C~+125°C(0201) -55°C~+155°C(other)
DIELECTRIC WITHSTANDING VOLTAGE	500V	100V - 500V	75V - 500V
FEATURES	Small size and light weight Reliability, high quality.	Small size and light weight Reliability, high quality High Power.	Small size and light weight Reliability, high quality CCD visual quality inspection Comply with AEC-Q200 standard Against sulfur.
APPLICATION	Stereo, TV tuners, Tape recorder Air conditioner, Refrigerator Main board, PDA Cell phone, Fax machine Power supply, illumination equipment Electric meter, Navigation equipment.	Consumer electrical Air conditioner, Refrigerator Mainboard Cell phone, Fax machine Power supply, illumination equipment Electric meter, Navigation equipment.	Automotive electronics Navigation equipment, TPMS Heating, Ventilating and Air conditioning, Indoor lighting, Central door locking, Wiper module.

## CONSTRUCTION



NO.	Construction	Major material
1	Ceramic substrate	Al <sub>2</sub> O <sub>3</sub>
2	Conductive layer	Ag
3	Side conductive layer	NiCr
4	Resistive layer	RuO <sub>2</sub> +glass
5	Inner protective layer	Glass
6	Outer Protective layer	Epoxy
7	Marking	Epoxy
8	Ni plating layer	Ni
9	Sn plating layer	Matte Tin