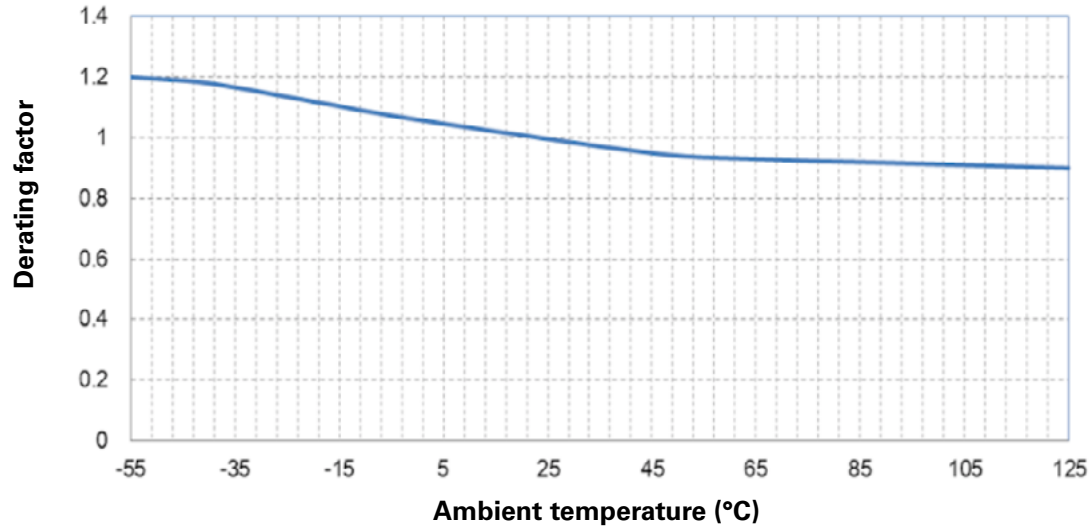


**Temperature derating curve**



**Environmental data**

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Operating temperature: -55 °C to +125 °C (with derating)
Storage temperature (component): -55 °C to +125 °C
Terminal strength test: Force of 1.8 kg for 60 seconds (no physical evidence of mechanical or physical damage, change in resistance < 5%)

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**Ordering codes**

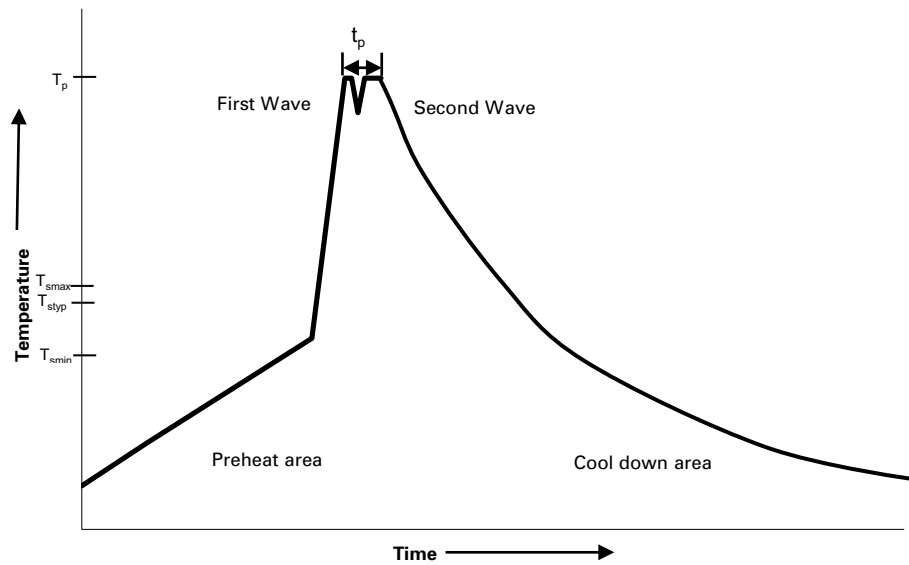
The ordering code is the part number replacing the “/” with a “-” plus adding the packaging prefix.

**Packaging prefix**

TR- (5,000 parts in paper tape on a 178 mm (7”) reel)

Part Number	Ordering code
	TR- option
0603HV500-R	TR-0603HV500-R
0603HV750-R	TR-0603HV750-R
0603HV1-R	TR-0603HV1-R
0603HV1.25-R	TR-0603HV1-25-R
0603HV1.5-R	TR-0603HV1-5-R

### Wave solder profile



### Reference EN 61760-1:2006

Profile feature	Standard SnPb solder	Lead (Pb) free solder
Preheat	• Temperature min. ( $T_{smin}$ )	100 °C
	• Temperature typ. ( $T_{styp}$ )	120 °C
	• Temperature max. ( $T_{smax}$ )	130 °C
	• Time ( $T_{smin}$ to $T_{smax}$ ) ( $t_s$ )	70 seconds
$\Delta$ preheat to max Temperature	150 °C max.	150 °C max.
Peak temperature ( $T_p$ )*	235 °C – 260 °C	250 °C – 260 °C
Time at peak temperature ( $t_p$ )	10 seconds max 5 seconds max each wave	10 seconds max 5 seconds max each wave
Ramp-down rate	~ 2 K/s min ~3.5 K/s typ ~5 K/s max	~ 2 K/s min ~3.5 K/s typ ~5 K/s max
Time 25°C to 25°C	4 minutes	4 minutes

### Manual solder

+350 °C (4-5 seconds by soldering iron), generally manual/hand soldering is not recommended