

Dual 500mA RETs in DFN2020(D)-6 package

Specialized for high power requirements

Key features:

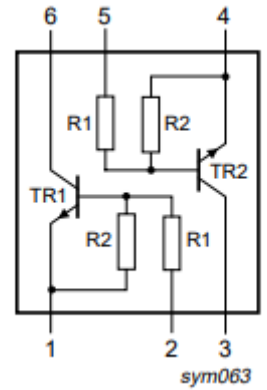
- NPN/NPN, NPN/PNP, PNP/PNP versions
- DFN2020D-6 package with side wettable flanks (SWF)
- DFN2020-6 package for cost optimized applications
- Built-in bias resistors

Key benefits:

- High thermal power capability
- Small 2.0 x 2.0 mm footprint
- Low height of 0.65 mm only
- Real 500mA output capability

Key applications:

- load switching for e.g. wearables or smartphones
- Digital application in automotive and industrial domain



Technical Details:

- Collector-emitter voltage (V_{CEO} , open base) of 50V
- Resistor combination (R1/R2): 1/10 and 2.2/10 k Ω
- output current (I_O) of 500mA
- Power dissipation (P_{tot}) of up to 1 W

Packages:

- Leadless ultra small package DFN2020D-6 (SOT1118D) and DFN2020-6 (SOT1118)
- Heat sink for excellent heat transfer
- DFN2020D-6 with side wettable flanks - SWF

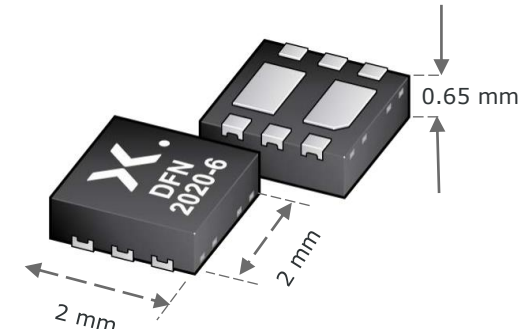
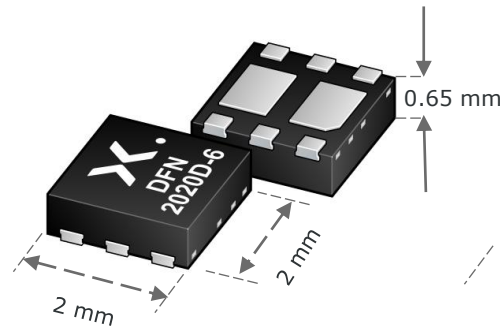
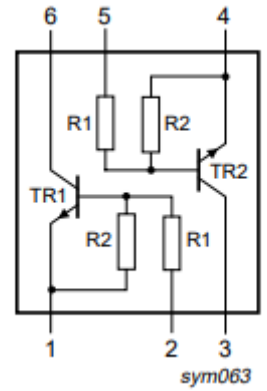
Resources:

- Download datasheets: www.nexperia.com
- Order at sample store: [Nexperia sample store](#)



500mA RETs – in DFN2020(D)-6 package | New!

Specialized for high power requirements



Package					DFN2020D-6 (DFN1118)			DFN2020-6 (DFN1118D)		
Size (mm)					2.0 x 2.0 x 0.65					
P _{tot} (mW)					1000					
V _{CEO} (V)	I _C (mA)	Configuration	R1 (kΩ)	R2 (kΩ)	NPN / NPN	NPN / PNP	PNP / PNP	NPN / NPN	NPN / PNP	PNP / PNP
50	500	R1 ≠ R2	1	10	PIMN31PAS-Q	PIMC31PAS-Q	PIMP31PAS-Q	PIMN31PA	PIMC31PA	PIMP31PA
			2.2	10	PIMN32PAS-Q	PIMC32PAS-Q	PIMP32PAS-Q	PIMN32PA	PIMC32PA	PIMP32PA