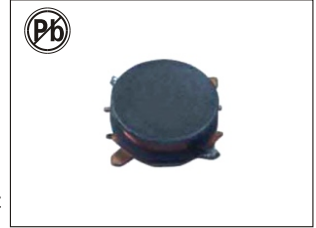


Low-frequency receiving antenna SDTR 9018/9028 SERIES



FEATURES:

- Ruggedized design to pass drop testing
- AEC-Q200 qualified
- Suitable for lead-free reflow soldering
- RoHS-compatible

APPLICATIONS:

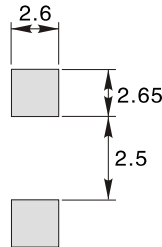
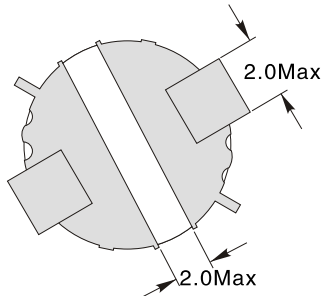
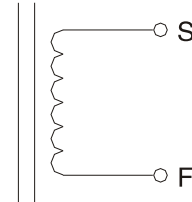
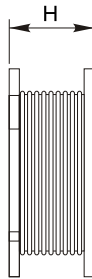
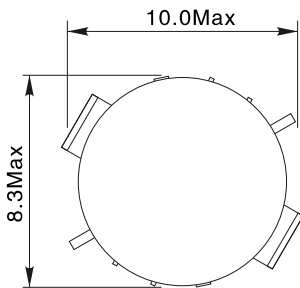
- Car access system PEPS (Passive Entry, Passive Start)
- RFID (radio-frequency identification) systems at 125 kHz

ELECTRICAL CHARACTERISTICS:

Part Number	Inductance (mH)	Test frequency (KHz)	Impedance (Ω)	Q
SDTR9018/9028-192	1.97 ± 5%	125	20	30
SDTR9018/9028-232	2.38 ± 5%	125	29	30
SDTR9018/9028-332	3.3 ± 5%	125	30	30
SDTR9018/9028-412	4.15 ± 5%	125	54	45
SDTR9018/9028-502	4.99 ± 5%	125	76	45
SDTR9018/9028-682	6.8 ± 5%	125	95	45
SDTR9018/9028-712	7.1 ± 5%	125	97	45
SDTR9018/9028-812	8.1 ± 5%	125	100	45
SDTR9018/9028-902	9.0 ± 5%	125	110	45
SDTR9018/9028-103	10.0 ± 5%	125	132	45

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

Dimensions(mm)



H:
9018: 2.0mm Max
9028: 2.7mm Max

Note:

- Induced current: 22A Max, Duty 30%
- Operating temperature: -40°C to +85°C
- Storage temperature: -40°C to +105°C