BROADBAND INDUCTOR

C225SM SERIES COM

GOWAN

Broadband Conical Surface Mount Inductor Outgassing Tested per ASTM E595 (*)

| PART NUMBER | L µH @ 10 MHz | DCR Ω NOM | CURRENT RATING mA DC | TURNS | WIRE SIZE AWG | |
|--------------------|---------------------|-----------------|----------------------------|-------|---------------------|--|
| POWDERED IRON CORE | | | | | | |
| C225SM2432G6 | 0.45 | 0.07 | 1100 | 24 | 32 | |
| C225SM2935G6 | 0.60 | 0.16 | 733 | 29 | 35 | |
| C225SM3536G6 | 0.89 | 0.39 | 469 | 35 | 36 | |
| C225SM4338G6 | 1.30 | 0.47 | 428 | 43 | 38 | |
| C225SM5740G6 | 2.40 | 0.80 | 328 | 57 | 40 | |
| C225SM7042G6 | 3.60 | 1.50 | 239 | 70 | 43 | |
| C225SM8544G6 | 5.10 | 2.60 | 182 | 85 | 44 | |
| C225SM11047G6 | 8.00 | 6.40 | 116 | 110 | 47 | |



NOTES

- Operating Temperature Range: -55°C to +125°C
- Current Rating is based on a 35°C temperature rise at an ambient temperature of 90°C
- Wire Type: Copper
- Weight MAX: 0.032 grams
- All non-tolerance and electrical data are reference only and based on nominal data
- Terminal is elongated to allow for soldering close to the tip of the coil
 Recommended that component is epoxied to substrate before
- reflow soldering
- Materials are fungus-inert to meet method 508 of MIL-STD-810H
 Meets a TML (Total Mass Loss) requirement of 1.0% maximum when tested in accordance with ASTM E595; this calculation does not include WVR (Water Vapor Recovered)
- Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER DERIVATION

| <u>C225SM 24 32 G</u> | 6 |
|---|---|
| GEC Series | |
| Turns (reference table above) | |
| Wire Size AWG (reference table above) Termination: G6 = Gold and ROHS compliant (standard) | |
| TAPE AND REEL SPECS | |

Pieces/reel maximum:250Pitch between parts:12 mmTape width:16 mmReel diameter:13 in.

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REV: ISSUE DATE: 12162020