

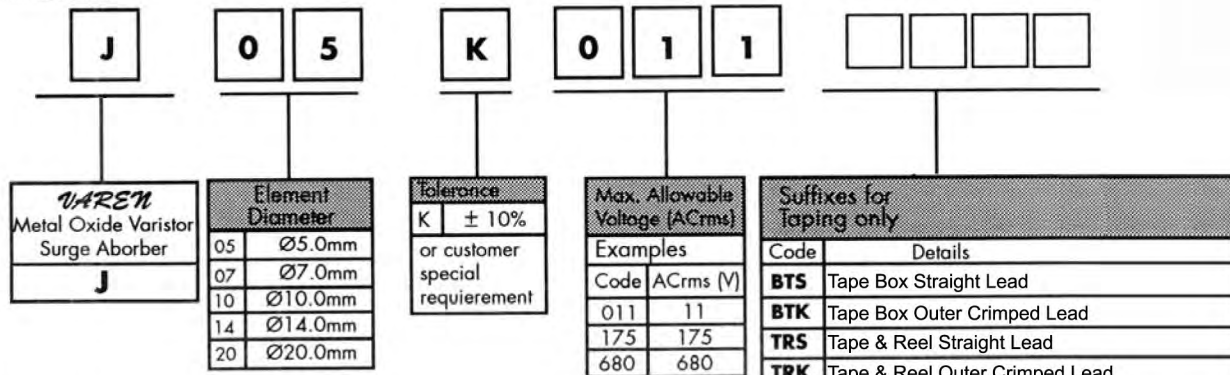
HOW TO SELECT VAREN VARISTOR

- * To identify the source and route of surge.
- * To decide the connection method of varistor.
- * To decide varistor voltage and max. clamping voltage.
- * To decide surge current waveform by calculation from surge voltage and surge impedance..
- * To check whether the withstanding surge current and surge life of varistor is sufficient or not.
- * To check the variation of electric power of protective device.
- * To check whether the max. energy and energy life of varistor is enough or not.
- * To check the realtion :

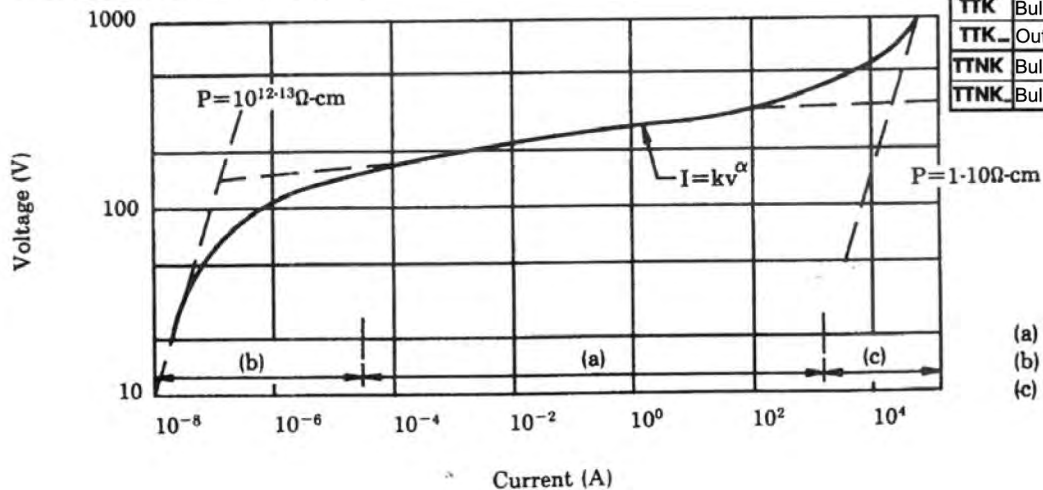
Max. withstanding voltage of protected device > Max. clamping voltage of varistor > The real clamping voltage occurred > Breakdown voltage of varistor > Operating voltage of protected device.

- *To check whether the loss of capacitance of varistor in operating condition.
- *To check whether the problem caused by loss current of leakage.
- *To check the connection method of varistor.
- *To check the condition of varistor overload.
- *To check any other problem by various operating condition.
- *To test and to verify by real practice.
- *To check the connection of the grounding wire.

PART NUMBERING SYSTEM



CURRENT-VOLTAGE CHARACTERISTICS



- (a) Varistor action region
- (b) Pre-breakdown region
- (c) Upturn region