* It is a Low power microwave amplifier	High Power microwave amplifier
* Linear beam (or) O-type device	Linear beam (or) O-type device
* It uses resonant cavity structure	It uses non-resonant slow wave structure
* Narrow band device	Wide bandwidth
* The interaction of electron beam and RF	The interaction of electron beam and RF field

* The interaction of electron beam and RF field occurs only at the cavities	The interaction of electron beam and RF field is continuous over the entire length of the tube
* There is no coupling effect between cavities	There is a coupling effect in a slow wave structure.
* Wave is not propagating	Wave is propagating

* Bunching Process takes place	No Bunching process
* Low output power	High output power
* Power gain : 30dB	Power gain : 60dB
* Applicatfons: → UHF TV [illegible]smitters → Radar Tr[illegible]mitters	Applications :- → High power Sabellite transponder → Broadband microwave