



Electrosurgical Unit

KIHT Technical Compendium

ELECTROSURGICAL UNIT

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Version 1.0

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ACRONYMS/ABBREVIATIONS

A	Ampere
AC	Alternating Current
AIMDD	Active Implantable Medical Device Directive
AM	Amplitude Modulation
Amp	Ampere
APC	Argon Plasma Coagulation
CAGR	Compound Annual Growth Rate
CDRH	Center for Drug and Radiation Health
CE	Conformité Européene
CFR	Code of Fedral Regulation
CO2	Carbon-di-oxide
Coag	Coagulation
DC	Direct Current
EKG	Electrocardiograms
ENT	Ear, Neck, and Throat
ESU	Electrosurgical Unit
FDA	Food and Drug Administration
GMP	Good Manufacturing Practices
HF	High Frequency
HITU	High-intensity therapeutic ultrasound
Hz	Hertz
IEC	International Electrotechnical Commission
INR	Indian Rupee
ISO	International Organization of Standardization
IVD	Invitro diagnostic
IVDMDD	Invitro diagnostic Medical Device Directive
JMDN	Japanese Medical Device Nomenclature
kHz	Kilo Hertz
LED	Light Emitting Diode

LLETZ	Large Loop Excision of the Transformation Zone
MDD	Medical Device Directive
ME	Medical Electrical
MeV	Mega Electronvolt
MHLW	Ministry of Health, Labor and Welfare
MHz	Mega Hertz
MIS	Minimal Invasive Surgery
mm	Millimeter
MOSFET	Metal Oxide-Semiconductor Field-Effect Transistors
MRI	Magnetic Resonance Imaging
NIRS	Near Infrared Spectroscopy equipment
OR	Operation Theatre
PK	Plasma Kinetics
PMA	Premarket Approval
PMDA	Pharmaceutical and Medical Device Agency
PMS	Post-Market Surveillance
PTFE	Polytetrafluoroethylene
RF	Radio Frequency
rms	Root Mean Square
TGA	Therapeutic Goods Administration
TURP	Transurethral resection procedure
USD	United States Dollar
VP-P	Peak to Peak Voltage
W	Watts

ABOUT:

Andhra Pradesh MedTech Zone (AMTZ) is an enterprise under the Government of Andhra Pradesh, a 270 Acre zone dedicated for medical device manufacturing with 200-250 manufacturing units. AMTZ provides the one-stop solution for all the manufacturers by providing, common scientific testing facilities (EMI/EMC, Electrical Safety, Radiation, Biomaterials Testing, 3D printing facilities), commercial facilities such as expo halls and warehouse.

Kalam Institute of Health Technology (KIHT) in the premises of AMTZ facilitates focused research on critical components pertaining to medical devices, technology transfer of innovative technologies through e-auction, market innovation, and access. These end to end solutions help to reduce the cost of manufacturing up to 40% and make health care products more affordable and accessible.

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